

1 5 10 15
 Leu Asn Leu Pro Pro Glu Asn Leu Ile Thr Ser Ile Ser Ala Val Pro
 20 25 30
 Ile Ser Gln Lys Glu Glu Val Ala Asp Phe Gln Leu Ser Val Asp Ser
 35 40 45
 Leu Leu Glu Lys Asp Asn Asp His Ser Arg Pro Asp Ile Gln Val Gln
 50 55 60
 Ala Lys
 65

<210> 5046
 <211> 510
 <212> PRT
 <213> Homo sapiens

<400> 5046
 Met Ser Phe Asp Pro Asn Leu Leu His Asn Asn Gly His Asn Gly Tyr
 1 5 10 15
 Pro Asn Gly Thr Ser Ala Ala Leu Arg Glu Thr Gly Val Ile Glu Lys
 20 25 30
 Leu Leu Thr Ser Tyr Gly Phe Ile Gln Cys Ser Glu Arg Gln Ala Arg
 35 40 45
 Leu Phe Phe His Cys Ser Gln Tyr Asn Gly Asn Leu Gln Asp Leu Lys
 50 55 60
 Val Gly Asp Asp Val Glu Phe Glu Val Ser Ser Asp Arg Arg Thr Gly
 65 70 75 80
 Lys Pro Ile Ala Val Lys Leu Val Lys Ile Lys Gln Glu Ile Leu Pro
 85 90 95
 Glu Glu Arg Met Asn Gly Gln Glu Val Phe Tyr Leu Thr Tyr Thr Pro
 100 105 110
 Glu Asp Val Glu Gly Asn Val Xaa Leu Glu Thr Gly Asp Lys Ile Asn
 115 120 125
 Phe Val Ile Asp Asn Asn Lys His Thr Gly Ala Val Ser Ala Arg Asn
 130 135 140
 Ile Met Leu Leu Lys Lys Lys Gln Ala Arg Cys Gln Gly Val Val Cys
 145 150 155 160
 Ala Met Lys Glu Ala Phe Gly Phe Ile Glu
 165 170

<210> 5047
 <211> 510
 <212> PRT
 <213> Homo sapiens

<400> 5047
 Met Ser Phe Asp Pro Asn Leu Leu His Asn Asn Gly His Asn Gly Tyr
 1 5 10 15
 Pro Asn Gly Thr Ser Ala Ala Leu Arg Glu Thr Gly Val Ile Glu Lys
 20 25 30
 Leu Leu Thr Ser Tyr Gly Phe Ile Gln Cys Ser Glu Arg Gln Ala Arg
 35 40 45
 Leu Phe Phe His Cys Ser Gln Tyr Asn Gly Asn Leu Gln Asp Leu Lys
 50 55 60
 Val Gly Asp Asp Val Glu Phe Glu Val Ser Ser Asp Arg Arg Thr Gly

65 70 75 80
 Lys Pro Ile Ala Val Lys Leu Val Lys Ile Lys Gln Glu Ile Leu Pro
 85 90 95
 Glu Glu Arg Met Asn Gly Gln Glu Val Phe Tyr Leu Thr Tyr Thr Pro
 100 105 110
 Glu Asp Val Glu Gly Asn Val Xaa Leu Glu Thr Gly Asp Lys Ile Asn
 115 120 125
 Phe Val Ile Asp Asn Asn Lys His Thr Gly Ala Val Ser Ala Arg Asn
 130 135 140
 Ile Met Leu Leu Lys Lys Lys Gln Ala Arg Cys Gln Gly Val Val Cys
 145 150 155 160
 Ala Met Lys Glu Ala Phe Gly Phe Ile Glu
 165 170

<210> 5048
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 5048
 Met Arg Leu Gly Ser Ser Lys Leu Lys Ser Asn Gln Leu Leu Gln Glu
 1 5 10 15
 Ala Leu Ser Arg Met Lys Trp Gly Gly Pro Ser Phe Gln Pro Arg Lys
 20 25 30
 Pro Thr Val Pro Gly Ala Ile Trp Asp Lys Thr Leu Thr His Asp Ser
 35 40 45
 His Ile His
 50

<210> 5049
 <211> 486
 <212> PRT
 <213> Homo sapiens

<400> 5049
 Met Phe Leu Leu Pro Leu Pro Ala Ala Gly Arg Val Val Val Arg Arg
 1 5 10 15
 Leu Ala Val Arg Arg Phe Gly Ser Arg Ser Leu Ser Thr Ala Asp Met
 20 25 30
 Thr Lys Gly Leu Val Leu Gly Ile Tyr Ser Lys Glu Lys Glu Asp Asp
 35 40 45
 Val Pro Gln Phe Thr Ser Ala Gly Glu Asn Phe Asp Lys Leu Leu Ala
 50 55 60
 Gly Lys Leu Arg Glu Thr Leu Asn Ile Ser Gly Pro Pro Leu Lys Ala
 65 70 75 80
 Gly Lys Thr Arg Thr Phe Tyr Gly Leu His Gln Asp Phe Pro Ser Val
 85 90 95
 Val Leu Val Gly Leu Gly Lys Lys Ala Ala Gly Ile Asp Glu Gln Glu
 100 105 110
 Asn Trp His Glu Gly Lys Glu Asn Ile Arg Ala Ala Val Ala Ala Xaa
 115 120 125
 Cys Arg Gln Ile Gln Asp Leu Glu Leu Ser Ser Val Glu Val Asp Pro
 130 135 140
 Cys Gly Asp Ala Gln Ala Ala Ala Glu Gly Ala Val Leu Gly Leu Tyr

145 150 155 160
Glu Tyr

<210> 5050
<211> 396
<212> PRT
<213> Homo sapiens

<400> 5050
Met Ala Gly Arg Lys Leu Ala Leu Lys Thr Ile Asp Trp Val Ala Phe
1 5 10 15
Ala Glu Ile Ile Pro Gln Asn Gln Lys Ala Ile Ala Ser Ser Leu Lys
 20 25 30
Ser Trp Asn Glu Thr Leu Thr Ser Arg Leu Ala Ala Leu Pro Glu Asn
 35 40 45
Pro Pro Ala Ile Asp Trp Ala Tyr Tyr Lys Ala Asn Val Ala Lys Ala
 50 55 60
Gly Leu Val Asp Asp Phe Glu Lys Lys Phe Asn Ala Leu Lys Val Pro
65 70 75 80
Val Pro Glu Asp Lys Tyr Thr Ala Gln Val Asp Ala Glu Glu Lys Glu
 85 90 95
Asp Val Lys Ser Cys Ala Glu Trp Val Ser Leu Ser Lys Ala Arg Ile
 100 105 110
Val Glu Tyr Glu Lys Glu Met Glu Lys Met Lys Asn Leu Ile Pro Phe
 115 120 125
Asp Gln Met Thr
 130

<210> 5051
<211> 375
<212> PRT
<213> Homo sapiens

<400> 5051
Met Ser Asn Asn Gly Leu Asp Ile Gln Asp Lys Pro Pro Ala Pro Pro
1 5 10 15
Met Arg Asn Thr Ser Thr Met Ile Gly Ala Gly Ser Lys Asp Ala Gly
 20 25 30
Thr Leu Asn His Gly Ser Lys Pro Leu Pro Pro Asn Pro Glu Glu Xaa
 35 40 45
Lys Lys Lys Asp Arg Phe Tyr Arg Ser Ile Leu Pro Gly Asp Lys Thr
 50 55 60
Asn Lys Lys Lys Glu Lys Glu Arg Pro Glu Ile Ser Leu Pro Ser Asp
65 70 75 80
Phe Glu His Thr Ile His Val Gly Phe Asp Ala Val Thr Gly Glu Phe
 85 90 95
Thr Gly Met Pro Glu Gln Trp Ala Arg Leu Leu Gln Thr Ser Asn Ile
 100 105 110
Thr Lys Ser Glu Gln Lys Lys Asn Pro Gln Leu Phe Trp
 115 120 125

<210> 5052
<211> 288
<212> PRT

<213> Homo sapiens

<400> 5052

Met Glu Ser Gly Phe Thr Ser Lys Asp Thr Tyr Leu Ser His Phe Asn
1 5 10 15
Pro Arg Asp Tyr Leu Glu Lys Tyr Tyr Lys Phe Gly Ser Arg His Ser
20 25 30
Ala Glu Ser Gln Ile Leu Lys His Leu Leu Lys Asn Leu Phe Lys Ile
35 40 45
Phe Cys Leu Asp Gly Val Lys Gly Asp Leu Leu Ile Asp Ile Gly Ser
50 55 60
Gly Pro Thr Ile Tyr Gln Leu Leu Ser Ala Cys Glu Ser Phe Lys Glu
65 70 75 80
Ile Val Val Thr Asp Tyr Ser Xaa Gln Asn Leu Gln Glu Leu Glu Lys
85 90 95

<210> 5053

<211> 330

<212> PRT

<213> Homo sapiens

<400> 5053

Met Thr Asp Cys Glu Phe Gly Tyr Ile Tyr Arg Leu Ala Gln Asp Tyr
1 5 10 15
Leu Gln Cys Val Leu Gln Ile Pro Gln Pro Gly Ser Gly Pro Ser Lys
20 25 30
Thr Ser Arg Val Leu Gln Asn Val Ala Phe Ser Val Gln Lys Glu Val
35 40 45
Glu Lys Asn Leu Lys Ser Cys Leu Asp Asn Val Asn Val Val Ser Val
50 55 60
Asp Thr Ala Arg Thr Leu Phe Asn Gln Val Met Glu Lys Glu Phe Glu
65 70 75 80
Asp Gly Ile Ile Asn Trp Gly Arg Ile Val Thr Ile Phe Ala Phe Glu
85 90 95
Gly Ile Leu Ile Lys Lys Leu Leu Arg Gln Gln Ile Ala Pro
100 105 110

<210> 5054

<211> 255

<212> PRT

<213> Homo sapiens

<400> 5054

Met Lys Ser Leu Gly Leu Ser Asp Glu Glu Ile Val Lys Phe Ser Glu
1 5 10 15
Ala Glu His Trp Leu Asp Tyr Phe Pro Pro Leu Ala Ile Gln Asp Leu
20 25 30
Lys Arg Met Gly Leu Lys Val Asp Trp Arg Arg Ser Phe Ile Thr Thr
35 40 45
Asp Val Asn Pro Tyr Tyr Asp Ser Phe Val Arg Trp Gln Phe Leu Thr
50 55 60
Leu Arg Glu Arg Asn Lys Ile Lys Phe Gly Lys Arg Tyr Thr Ile Tyr
65 70 75 80
Ser Pro Lys Asp Arg

<210> 5055
 <211> 414
 <212> PRT
 <213> Homo sapiens

<400> 5055

Met	Pro	Gln	Asn	Glu	Tyr	Ile	Glu	Leu	His	Arg	Lys	Arg	Tyr	Gly	Tyr
1			5						10					15	
Arg	Leu	Asp	Tyr	His	Glu	Lys	Lys	Arg	Lys	Lys	Glu	Ser	Arg	Glu	Ala
		20						25					30		
His	Glu	Arg	Ser	Lys	Lys	Ala	Lys	Lys	Met	Ile	Gly	Leu	Lys	Ala	Lys
		35					40					45			
Leu	Tyr	His	Lys	Gln	Arg	His	Ala	Glu	Lys	Ile	Gln	Met	Lys	Lys	Thr
	50					55					60				
Ile	Lys	Met	His	Glu	Lys	Arg	Asn	Thr	Lys	Gln	Lys	Asn	Asp	Glu	Lys
65				70					75					80	
Thr	Pro	Gln	Gly	Ala	Val	Pro	Ala	Tyr	Leu	Leu	Asp	Arg	Glu	Gly	Gln
			85					90					95		
Ser	Arg	Ala	Lys	Val	Leu	Ser	Asn	Met	Ile	Lys	Gln	Lys	Arg	Lys	Glu
		100					105					110			
Lys	Ala	Gly	Lys	Trp	Glu	Val	Pro	Leu	Pro	Lys	Val	Arg	Ala	Gln	Gly
	115					120					125				
Glu	Thr	Glu	Val	Leu	Lys	Val	Ile	Arg	Thr						
	130					135									

<210> 5056
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 5056

Met	Glu	Lys	Arg	Leu	Gln	Glu	Ala	Gln	Leu	Tyr	Lys	Glu	Glu	Gly	Asn
1				5					10					15	
Gln	Arg	Tyr	Arg	Glu	Gly	Lys	Tyr	Arg	Asp	Ala	Val	Ser	Arg	Tyr	His
		20						25					30		
Arg	Ala	Leu	Leu	Gln	Leu	Arg	Gly	Leu	Asp	Pro	Ser	Leu	Pro	Ser	Pro
		35					40					45			
Leu	Pro	Asn	Leu	Gly	Pro	Gln	Gly	Pro	Ala	Leu	Thr	Pro	Glu	Gln	Glu
	50					55					60				
Asn	Ile	Leu	His	Thr	Thr	Gln	Thr	Asp	Cys	Tyr	Asn	Asn	Leu	Ala	Ala
65				70					75					80	
Cys	Leu	Leu	Gln	Met	Glu	Pro	Val	Asn	Tyr						
			85					90							

<210> 5057
 <211> 267
 <212> PRT
 <213> Homo sapiens

<400> 5057

Met	Ala	Asp	Pro	Arg	Val	Arg	Gln	Ile	Lys	Ile	Lys	Thr	Gly	Val	Val
1				5					10				15		

Lys Arg Leu Val Lys Glu Lys Val Met Tyr Glu Lys Glu Ala Lys Gln
 20 25 30
 Gln Glu Glu Lys Ile Glu Lys Met Arg Ala Glu Asp Gly Glu Asn Tyr
 35 40 45
 Asp Ile Xaa Lys Lys Ala Glu Arg Ser Leu Pro Ser Ala His Thr Ser
 50 55 60
 Thr Pro Ala Ser Ala Ser Pro Met Ala Val Ser Ser Val Lys Ser Xaa
 65 70 75 80
 Ser Pro Ser Thr Leu Val Leu Pro Arg
 85

<210> 5058
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 5058
 Met Gly Asp Val Glu Lys Gly Lys Lys Ile Phe Ile Met Lys Cys Ser
 1 5 10 15
 Gln Cys His Thr Val Glu Lys Gly Gly Lys His Lys Thr Gly Pro Asn
 20 25 30
 Leu His Gly Leu Phe Gly Arg Lys Thr Gly Gln Ala Pro Gly Tyr Ser
 35 40 45
 Tyr Thr Ala Ala Asn Lys Asn Lys Gly Ile Ile Trp Gly Glu Asp Thr
 50 55 60
 Leu Met Glu Tyr Leu Glu Asn Pro Lys Lys Tyr Ile Pro Gly Thr Lys
 65 70 75 80
 Met Ile Phe Val Gly Ile Lys Lys Lys Glu Glu Arg Ala Asp Leu Ile
 85 90 95
 Ala Tyr

<210> 5059
 <211> 429
 <212> PRT
 <213> Homo sapiens

<400> 5059
 Met Thr Pro Glu Phe Arg Asn Ala Leu Tyr Lys Trp Glu Phe Glu Glu
 1 5 10 15
 Ser Glu Glu Asp Pro Val Thr Ser Ile Pro Tyr Gln Leu Gln Arg Leu
 20 25 30
 Phe Val Leu Leu Gln Thr Ser Lys Lys Arg Ala Ile Glu Thr Thr Asp
 35 40 45
 Val Thr Arg Ser Phe Gly Trp Asp Ser Ser Glu Ala Trp Gln Gln His
 50 55 60
 Asp Val Gln Glu Leu Cys Arg Val Met Phe Asp Ala Leu Glu Gln Lys
 65 70 75 80
 Trp Lys Gln Thr Glu Gln Ala Asp Leu Ile Asn Glu Leu Tyr Gln Gly
 85 90 95
 Lys Leu Lys Asp Tyr Val Arg Cys Leu Glu Cys Gly Tyr Glu Gly Trp
 100 105 110
 Arg Ile Asp Thr Tyr Leu Asp Ile Pro Leu Val Ile Arg Pro Tyr Gly
 115 120 125
 Ser Ser Gln Ala Phe Ala Ser Val Glu Glu Ala Leu His Ala Phe

130

135

140

<210> 5060
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 5060
 Met Glu Pro Ser Leu Leu Gln Phe Tyr Ile Ser Arg Gln Trp Leu Asn
 1 5 10 15
 Lys Phe Lys Thr Phe Ala Glu Pro Gly Pro Ile Ser Asn Asn Asp Phe
 20 25 30
 Leu Cys Ile His Gly Gly Val Pro Pro Arg Lys Ala Gly Tyr Ile Glu
 35 40 45
 Asp Leu Val Leu Met Leu Pro Gln Asn Ile Trp Asp Asn Leu Tyr Ser
 50 55 60
 Arg Tyr Gly Gly Gly Pro Ala Val Thr Ile Cys Thr Phe
 65 70 75

<210> 5061
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 5061
 Met Ile Ile Leu Ile Leu Pro His Cys Arg Val Val Lys Lys Ser Val
 1 5 10 15
 Ile Ser Glu Pro Gln Gly Leu Leu Tyr Met Asp Trp Gly Arg Arg Ala
 20 25 30
 Thr Ile Phe Ser Ile Ala Arg Glu Leu Pro Cys Leu Ser Pro Arg Asn
 35 40 45
 Pro Ala Thr Arg Gln Ser Thr His Arg Pro Gly Pro Gly Leu Lys Phe
 50 55 60
 Pro Pro His Pro
 65

<210> 5062
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 5062
 Met Pro Leu Tyr Glu Gly Leu Gly Ser Gly Gly Glu Lys Thr Ala Val
 1 5 10 15
 Val Ile Asp Leu Gly Glu Ala Phe Thr Lys Cys Gly Phe Ala Gly Glu
 20 25 30
 Thr Gly Pro Arg Cys Ile Ile Pro Ser Val Ile Lys Arg Ala Gly Met
 35 40 45
 Pro Lys Pro Val Arg Val Val Gln Tyr Asn Ile Asn Thr Glu Glu Xaa
 50 55 60
 Xaa Ser Tyr Leu Lys Glu Phe Ile His Ile Leu Tyr Phe Arg His Leu
 65 70 75 80
 Leu Val Asn Pro Arg Asp Arg Arg Val Val Ile Ile Glu Ser Val Leu
 85 90 95

Cys Pro Ser His Phe Arg Glu Thr Leu Thr Arg Val Leu Phe Lys Tyr
 100 105 110
 Phe Glu Val Pro Ser Val Leu Leu Ala Pro Ser His Leu Met Ala Leu
 115 120 125
 Leu Thr Leu Gly Ile Asn Ser Ala
 130 135

<210> 5063
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 5063
 Met Leu Lys Arg Glu Gly Lys Val Gln Pro Tyr Thr Lys Thr Leu Asp
 1 5 10 15
 Gly Gly Trp Gly Trp Met Ile Val Ile His Phe Phe Leu Val Pro Trp
 20 25 30
 Leu Leu Leu Phe Val Thr Tyr Leu Glu Arg Lys Leu Pro His Ser Trp
 35 40 45
 Gly Phe Cys Xaa Xaa Trp Trp Ile Ser Asp Gln
 50 55

<210> 5064
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 5064
 Met Asp Pro Gly Gln His Ser Pro Gly His His Ala Leu Phe Val Arg
 1 5 10 15
 Thr Val Arg Ala Pro Asp Gly Arg Ser Pro Gly Gly Gly Cys Ser Gly
 20 25 30
 Pro Arg Ala Gln Phe Tyr Arg Asp Ser Ser Asn Trp Val Gly His Leu
 35 40 45
 Glu Pro Leu Ser Arg Val Gly Pro Phe Leu Asp Phe Asn Pro Leu Cys
 50 55 60
 Ser Ala Ala Trp Arg Gln Gln Ser Leu Gly Val Asp Gly Arg Gly Ala
 65 70 75 80
 Ala Glu

<210> 5065
 <211> 213
 <212> PRT
 <213> Homo sapiens

<400> 5065
 Met Ile Val Ser Ser Ala Leu Met Ile Trp Lys Gly Leu Ile Val Leu
 1 5 10 15
 Thr Gly Ser Glu Ser Pro Ile Val Val Leu Ser Gly Ser Met Glu
 20 25 30
 Pro Ala Phe His Arg Gly Asp Leu Leu Phe Leu Thr Asn Phe Arg Glu
 35 40 45
 Asp Pro Ile Arg Ala Gly Glu Ile Val Val Phe Lys Leu Lys Thr Arg
 50 55 60

His Ser Asn Ser Ser Gln Ser
65 70

<210> 5066
<211> 222
<212> PRT
<213> Homo sapiens

<400> 5066
Met Lys Ile Leu Thr Leu Gly Thr Tyr Glu Gly Ile Ser Leu Phe Gly
1 5 10 15
Val Phe Cys Phe Gly Leu Val Trp Phe Gly Leu Phe Asp Thr Glu Ser
20 25 30
Cys Ser Val Ala Gln Ala Gly Val Gln Trp Cys Asp Leu Gly Ser Leu
35 40 45
Gln Pro Leu Pro Pro Gly Ser Ser Asp Cys Pro Ala Ser Ala Ser Gln
50 55 60
Val Ala Gly Ile Thr Gly Thr Arg His His
65 70

<210> 5067
<211> 294
<212> PRT
<213> Homo sapiens

<400> 5067
Met Val Ile Arg Val Tyr Ile Ala Ser Ser Ser Gly Ser Thr Ala Ile
1 5 10 15
Lys Lys Lys Gln Gln Asp Val Leu Gly Phe Leu Glu Ala Asn Lys Ile
20 25 30
Gly Phe Glu Glu Lys Asp Ile Ala Ala Asn Glu Glu Asn Arg Lys Trp
35 40 45
Met Arg Glu Asn Val Pro Glu Asn Ser Arg Pro Ala Thr Gly Tyr Pro
50 55 60
Leu Pro Pro Gln Ile Phe Asn Glu Ser Gln Tyr Arg Gly Asp Tyr Asp
65 70 75 80
Ala Phe Phe Glu Ala Arg Glu Asn Asn Ala Val Tyr Ala Phe Leu Gly
85 90 95
Leu Thr

<210> 5068
<211> 168
<212> PRT
<213> Homo sapiens

<400> 5068
Met Leu Ile Lys Val Lys Thr Leu Thr Gly Lys Glu Ile Glu Ile Asp
1 5 10 15
Ile Glu Pro Thr Asp Lys Val Glu Arg Ile Lys Glu Arg Val Glu Glu
20 25 30
Lys Glu Gly Ile Pro Pro Gln Gln Gln Arg Leu Ile Tyr Ser Gly Lys
35 40 45
Gln Met Asn Asp Glu Lys Thr Ala
50 55

<210> 5069
 <211> 417
 <212> PRT
 <213> Homo sapiens

<400> 5069

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Met Glu Gly His Asp Pro Lys Glu Pro Glu Gln Leu Arg Lys Leu Phe
1           5           10           15
Ile Gly Gly Leu Ser Phe Glu Thr Thr Asp Asp Ser Leu Arg Glu His
20           25           30
Phe Glu Lys Trp Gly Thr Leu Thr Asp Cys Val Val Met Arg Asp Pro
35           40           45
Gln Thr Lys Arg Ser Arg Gly Phe Gly Phe Val Thr Tyr Ser Cys Val
50           55           60
Glu Glu Val Asp Ala Ala Met Cys Ala Arg Pro His Lys Val Asp Gly
65           70           75           80
Arg Val Val Glu Pro Lys Arg Ala Val Ser Arg Glu Asp Ser Val Lys
85           90           95
Pro Gly Ala His Xaa Thr Val Lys Lys Ile Phe Val Gly Gly Ile Lys
100          105          110
Glu Asp Thr Glu Glu Tyr Asn Leu Arg Asp Tyr Phe Glu Lys Tyr Gly
115          120          125
Lys Ile Xaa Thr Ile Glu Val Met Glu Asp Arg
130          135
  
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<210> 5070
 <211> 483
 <212> PRT
 <213> Homo sapiens

<400> 5070

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Met Glu Val Lys Pro Pro Pro Gly Arg Pro Gln Pro Asp Ser Gly Arg
1           5           10           15
Arg Arg Arg Arg Arg Gly Glu Glu Gly His Asp Pro Lys Glu Pro Glu
20           25           30
Gln Leu Arg Lys Leu Phe Ile Gly Gly Leu Ser Phe Glu Thr Thr Asp
35           40           45
Asp Ser Leu Arg Glu His Phe Glu Lys Trp Gly Thr Leu Thr Asp Cys
50           55           60
Val Val Met Arg Asp Pro Gln Thr Lys Arg Ser Arg Gly Phe Gly Phe
65           70           75           80
Val Thr Tyr Ser Cys Val Glu Glu Val Asp Ala Ala Met Cys Ala Arg
85           90           95
Pro His Lys Val Asp Gly Arg Val Val Xaa Pro Lys Arg Ala Xaa Ser
100          105          110
Xaa Glu Xaa Ser Val Lys Pro Xaa Ala His Leu Thr Val Lys Lys Ile
115          120          125
Phe Val Gly Gly Ile Lys Glu Asp Thr Glu Glu Tyr Asn Leu Arg Asp
130          135          140
Tyr Phe Glu Lys Tyr Gly Lys Ile Xaa Thr Ile Glu Val Met Glu Asp
145          150          155          160
Arg
  
```

<210> 5071

<211> 291

<212> PRT

<213> Homo sapiens

<400> 5071

Met Lys Phe Asn Pro Phe Val Thr Ser Asp Arg Ser Lys Asn Arg Lys
1 5 10 15
Arg His Phe Asn Ala Pro Ser His Ile Arg Arg Lys Ile Met Ser Ser
20 25 30
Pro Leu Ser Lys Glu Leu Arg Gln Lys Tyr Asn Val Arg Ser Met Pro
35 40 45
Ile Arg Lys Asp Asp Glu Val Gln Val Val Arg Gly His Tyr Lys Gly
50 55 60
Gln Gln Ile Gly Lys Val Val Gln Val Tyr Arg Lys Lys Tyr Val Ile
65 70 75 80
Tyr Ile Glu Arg Xaa Gln Arg Xaa Xaa Gly Leu Gly Ser Met Arg Pro
85 90 95
Gly

<210> 5072

<211> 300

<212> PRT

<213> Homo sapiens

<400> 5072

Met Tyr Ser Glu Arg Arg Gly Glu Ser Arg Pro Arg Ala Xaa Lys Ala
1 5 10 15
Ile Glu Lys Asn Leu Lys Glu Asp Gly Xaa Ser Ala Ala Lys Asp Val
20 25 30
Lys Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly Lys Ser Thr Ile Val
35 40 45
Lys Gln Met Lys Ile Ile His Glu Asp Gly Phe Ser Gly Glu Asp Val
50 55 60
Lys Gln Tyr Lys Pro Val Val Tyr Ser Asn Thr Ile Gln Ser Leu Ala
65 70 75 80
Ala Ile Val Arg Ala Met Asp Thr Leu Gly Ile Glu Tyr Gly Asp Lys
85 90 95
Glu Arg Lys Ala
100

<210> 5073

<211> 267

<212> PRT

<213> Homo sapiens

<400> 5073

Met Ile Asp Arg Asn Leu Arg Glu Asp Gly Glu Lys Ala Ala Lys Glu
1 5 10 15
Val Lys Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly Lys Ser Thr Ile
20 25 30
Val Lys Gln Met Lys Ile Ile His Glu Asp Gly Tyr Ser Glu Asp Glu
35 40 45
Cys Lys Gln Tyr Lys Val Val Val Tyr Ser Asn Thr Ile Gln Ser Ile

50 55 60
 Ile Ala Ile Ile Arg Ala Met Gly Arg Leu Lys Ile Asp Phe Gly Glu
 65 70 75 80
 Ala Ala Arg Ala Asp Asp Ala Gly Asn
 85

<210> 5074
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 5074
 Met Asp Thr Leu Gly Ile Glu Tyr Gly Asp Lys Glu Arg Lys Ala Asp
 1 5 10 15
 Ala Lys Xaa Val Cys Asp Val Val Ser Arg Met Glu Asp Thr Glu Pro
 20 25 30
 Phe Ser Ala Glu Leu Leu Ser Ala Met Met Arg Leu Trp Gly Asp Ser
 35 40 45
 Gly Ile Gln Glu Cys Phe Asn Arg Ser Arg Glu Tyr Gln Leu Asn Asp
 50 55 60
 Ser Ala Lys Tyr Tyr Leu Asp Ser Leu Asp Arg Ile Gly Ala Ala Xaa
 65 70 75 80
 Tyr Gln Pro Thr Glu Gln Asp Ile Leu Arg Thr Arg Val Lys Thr Thr
 85 90 95
 Gly Ile Val Glu Thr His Phe Thr Phe Lys Asn Leu His Phe Arg Leu
 100 105 110
 Phe Asp Val Gly Gly Gln Arg Ser Glu Arg Lys
 115 120

<210> 5075
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 5075
 Met Ala Lys Phe Val Ile Arg Pro Ala Thr Ala Ala Asp Cys Ser Asp
 1 5 10 15
 Ile Leu Arg Leu Ile Lys Glu Leu Ala Lys Tyr Glu Tyr Met Glu Glu
 20 25 30
 Gln Val Ile Leu Thr Glu Lys Asp Leu Leu Glu Asp Gly Phe Gly Glu
 35 40 45
 His Pro Phe Tyr His Cys Leu Val Ala Glu Val Pro Lys Glu His Trp
 50 55 60
 Thr Pro Glu Gly His Ser Ile Val Gly Phe Ala Met Tyr
 65 70 75

<210> 5076
 <211> 429
 <212> PRT
 <213> Homo sapiens

<400> 5076
 Met Ala Glu Gly Glu Asp Val Pro Xaa Leu Pro Thr Ser Ser Gly Asp
 1 5 10 15

Gly Trp Glu Lys Asp Leu Glu Glu Ala Leu Glu Ala Gly Gly Cys Asp
 20 25 30
 Leu Glu Thr Leu Arg Asn Ile Ile Gln Gly Arg Pro Leu Pro Ala Asp
 35 40 45
 Leu Arg Ala Lys Val Trp Lys Ile Ala Leu Asn Val Ala Gly Lys Gly
 50 55 60
 Asp Ser Leu Ala Ser Trp Asp Gly Ile Leu Asp Leu Pro Glu Gln Asn
 65 70 75 80
 Thr Ile His Lys Asp Cys Leu Gln Phe Ile Asp Gln Leu Ser Val Pro
 85 90 95
 Glu Glu Lys Ala Ala Glu Leu Leu Leu Asp Ile Glu Ser Val Ile Thr
 100 105 110
 Phe Tyr Cys Lys Ser Arg Asn Ile Lys Tyr Ser Thr Ser Leu Ser Trp
 115 120 125
 Ile His Leu Leu Lys Pro Leu Val His Leu Gln Leu Pro Arg Ser
 130 135 140

<210> 5077
 <211> 672
 <212> PRT
 <213> Homo sapiens

<400> 5077
 Met Ala Ser Gly Ser Asn Trp Leu Ser Gly Val Asn Val Val Leu Val
 1 5 10 15
 Met Ala Tyr Gly Ser Leu Val Phe Val Leu Leu Xaa Ile Phe Val Xaa
 20 25 30
 Arg Gln Ile Met Arg Phe Ala Met Xaa Ser Arg Arg Gly Pro His Val
 35 40 45
 Pro Val Gly His Asn Ala Pro Lys Asp Leu Lys Glu Glu Ile Asp Ile
 50 55 60
 Arg Leu Ser Arg Val Gln Asp Ile Lys Tyr Glu Pro Gln Leu Leu Ala
 65 70 75 80
 Asp Asp Asp Ala Arg Leu Leu Gln Leu Glu Thr Gln Gly Asn Gln Ser
 85 90 95
 Cys Tyr Asn Tyr Leu Tyr Arg Met Lys Ala Leu Asp Ala Ile Arg Thr
 100 105 110
 Ser Glu Ile Pro Phe His Ser Glu Gly Arg His Pro Arg Ser Leu Met
 115 120 125
 Gly Lys Asn Phe Arg Ser Tyr Leu Leu Asp Leu Arg Asn Thr Ser Thr
 130 135 140
 Pro Phe Lys Gly Val Arg Lys Ala Leu Ile Asp Thr Leu Leu Asp Gly
 145 150 155 160
 Tyr Glu Thr Ala Arg Tyr Gly Thr Gly Val Phe Gly Gln Asn Glu Tyr
 165 170 175
 Leu Arg Tyr Gln Glu Ala Leu Ser Glu Leu Ala Thr Ala Val Lys Ala
 180 185 190
 Arg Ile Gly Ser Ser Gln Arg His His Gln Ser Ala Ala Lys Asp Leu
 195 200 205
 Thr Xaa Ser Pro Glu Val Ser Pro Thr Thr Ile Gln Leu Thr Tyr Pro
 210 215 220

<210> 5078
 <211> 162

<212> PRT

<213> Homo sapiens

<400> 5078

Met Glu Ser Lys Glu Glu Leu Ala Ala Asn Asn Leu Asn Gly Glu Asn
1 5 10 15
Ala Gln Gln Glu Asn Glu Gly Gly Glu Gln Ala Pro Thr Gln Asn Glu
20 25 30
Glu Glu Ser Arg His Leu Gly Gly Gly Glu Gly Gln Lys Pro Gly Gly
35 40 45
Asn Ile Arg Arg Gly Arg
50

<210> 5079

<211> 282

<212> PRT

<213> Homo sapiens

<400> 5079

Met Glu Gln Pro Met Gln Asn Gly Glu Glu Asp Arg Pro Leu Gly Gly
1 5 10 15
Gly Glu Gly His Gln Pro Ala Gly Asn Arg Arg Gly Gln Ala Arg Arg
20 25 30
Leu Ala Pro Asn Phe Arg Trp Ala Ile Pro Asn Arg Gln Ile Asn Asp
35 40 45
Gly Met Gly Xaa Asp Gly Asp Met Glu Ile Phe Met Glu Glu Met
50 55 60
Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Xaa Leu Arg Asn Cys Leu
65 70 75 80
Arg Ile Leu Met Gly Xaa Leu Ser Asn His His Asp His His
85 90

<210> 5080

<211> 312

<212> PRT

<213> Homo sapiens

<400> 5080

Met Ala Asn Ile His Gln Glu Asn Glu Glu Met Glu Gln Pro Met Gln
1 5 10 15
Asn Gly Glu Glu Asp Arg Pro Leu Gly Gly Gly Glu Gly His Gln Pro
20 25 30
Ala Gly Asn Arg Arg Gly Xaa Ala Arg Arg Xaa Ala Pro Asn Phe Arg
35 40 45
Trp Ala Ile Pro Asn Arg Gln Ile Asn Asp Gly Met Gly Xaa Asp Gly
50 55 60
Asp Asp Met Glu Ile Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys
65 70 75 80
Leu Arg Glu Leu Xaa Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Xaa
85 90 95
Leu Ser Asn His His Asp His His
100

<210> 5081

<211> 366
 <212> PRT
 <213> Homo sapiens

<400> 5081

Met	Ala	Ala	Arg	Arg	Arg	Arg	Ser	Thr	Gly	Gly	Gly	Arg	Ala	Arg	Ala
1				5					10					15	
Leu	Asn	Glu	Ser	Lys	Arg	Val	Asn	Asn	Gly	Asn	Thr	Ala	Pro	Glu	Asp
		20						25					30		
Ser	Ser	Pro	Ala	Lys	Lys	Thr	Arg	Arg	Cys	Gln	Arg	Gln	Glu	Ser	Lys
		35					40					45			
Lys	Met	Pro	Val	Ala	Gly	Gly	Lys	Ala	Asn	Lys	Asp	Arg	Thr	Glu	Asp
	50					55					60				
Lys	Gln	Asp	Glu	Ser	Val	Lys	Ala	Leu	Leu	Leu	Lys	Gly	Lys	Ala	Pro
65					70				75						80
Val	Asp	Pro	Glu	Cys	Thr	Ala	Lys	Val	Gly	Lys	Ala	His	Val	Tyr	Cys
				85					90					95	
Glu	Gly	Asn	Asp	Val	Tyr	Asp	Val	Met	Leu	Asn	Gln	Thr	Asn	Leu	Gln
			100					105						110	
Phe	Asn	Asn	Asn	Lys	Tyr	Tyr	Leu	Ile	Gln						
			115					120							

<210> 5082
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 5082

Met	His	His	Leu	Pro	Arg	Arg	Lys	Gly	Ser	Asp	His	Gly	Leu	Leu	Thr
1				5					10					15	
Glu	Ser	Gly	Ile	Glu	Thr	Gly	Thr	Gly	Ser	Leu	Pro	His	Leu	Lys	Ile
			20					25					30		
Glu	Ser	Gly	Ile	Val	Gln	Gly	Ile	Asp	Val	Glu	Glu	Ala	Ala	Val	Leu
		35					40					45			
Ala	Leu	Val	Pro	Val	Pro	Asn	Leu	Gln	Lys	Glu	Asn	Asp	Gly	Thr	Lys
	50					55					60				
Asn	Glu	Asn	Glu	Ile	Arg	Ser	Gly	Ile	Gly	Ile	Arg	Arg	Thr	Glu	Ile
65					70				75						80
Glu	Thr	Arg	Met	Gly	Thr	Asp	Gly	Thr	Arg	Thr	Val	Asn	Asp	Pro	Ala
			85					90						95	
Tyr	Leu	Leu	Val	Glu	Glu	Lys	Thr	Leu	Asn	Leu	Gly	Arg	Thr	Glu	Thr
			100					105					110		
Leu	Arg	Arg	Met	Lys	Arg	Met	Asn	Met	Val	Ile	Arg	Ser	Leu	Xaa	Pro
			115					120					125		

<210> 5083
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 5083

Met	Ala	Arg	Pro	Thr	Leu	Leu	Pro	Ser	Val	Gly	Pro	Glu	Tyr	Ile	Lys
1				5					10					15	
Tyr	Phe	Asn	Asp	Lys	Thr	Ile	Asp	Glu	Glu	Leu	Glu	Arg	Asp	Lys	Arg

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3016

<211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5086
 Met Ala Leu Lys Gln Ile Ser Ser Asn Lys Cys Phe Gly Gly Leu Gln
 1 5 10 15
 Lys Val Phe Glu His Asp Ser His Gln Gln Glu Lys Leu Leu Arg Ile
 20 25 30
 Met Trp Lys Lys Lys Ile Thr Asn Met Gln Arg Met Glu Arg Ser Ile
 35 40 45
 Gln Lys Thr Ser His Asp Gly
 50 55

<210> 5087
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 5087
 Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
 1 5 10 15
 Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
 20 25 30
 Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
 35 40 45
 Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys
 50 55 60
 Lys Gln Ile Glu Glu Leu Lys Gly Gln Glu Val Ser Pro Lys Val Tyr
 65 70 75 80
 Phe Met Lys Gln Thr Ile Gly Asn Ser Cys Gly Thr Ile Gly Leu Ile
 85 90 95
 His Ala Val Xaa Asn Asn Gln Asp Lys Leu Gly Phe Glu Asp Gly Ser
 100 105 110
 Val

<210> 5088
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5088
 Met Gly Ala Arg His Arg Ala Arg Ala His Ser Ile Gln Ile Met Lys
 1 5 10 15
 Val Glu Glu Ile Ala Ala Ser Lys Cys Arg Arg Pro Ala Val Lys Xaa
 20 25 30
 Phe His Asp Ser Lys Ile Lys Phe Pro Leu Pro His Arg Val Leu Arg
 35 40 45
 Arg Gln His Lys Pro
 50

<210> 5089
 <211> 285
 <212> PRT

<213> Homo sapiens

<400> 5089

Met Lys Ala Ser Gly Thr Leu Arg Glu Tyr Lys Val Val Gly Arg Cys
1 5 10 15
Leu Pro Thr Pro Lys Cys His Thr Pro Pro Leu Tyr Arg Met Arg Ile
20 25 30
Phe Ala Pro Asn His Val Val Ala Lys Ser Arg Phe Trp Tyr Phe Val
35 40 45
Ser Gln Leu Lys Lys Met Lys Lys Ser Ser Gly Glu Ile Val Tyr Cys
50 55 60
Gly Gln Val Phe Glu Lys Ser Pro Leu Arg Val Lys Asn Phe Gly Ile
65 70 75 80
Trp Leu Arg Tyr Asp Ser Arg Ser Gly Thr Ala Pro Glu Pro Thr
85 90 95

<210> 5090

<211> 531

<212> PRT

<213> Homo sapiens

<400> 5090

Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
1 5 10 15
Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
20 25 30
Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
35 40 45
Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys
50 55 60
Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn
65 70 75 80
Ser Ser Ala Val Arg Arg Ser Arg Gly Ser Val Ser Cys Phe Asn Ser
85 90 95
Val Trp Thr Glu Gln Ile Arg Gly Leu Ser Ser Ser Leu Arg Pro Pro
100 105 110
Ser Asp Phe Leu Ser Ala Cys Asn Leu Arg Asp His Leu Leu Gly His
115 120 125
Leu Leu Leu Leu Gly Pro Ala Ser Thr Val Phe Val Val Ser Ser Phe
130 135 140
Leu Pro Thr Asn His Glu Leu Pro Asp Ser Ser Glu Leu Phe His Arg
145 150 155 160
Arg Gly Gly Ser Arg Gln Gln Pro Gly Gln Phe Val Pro Ala Gly Gly
165 170 175

Arg

<210> 5091

<211> 420

<212> PRT

<213> Homo sapiens

<400> 5091

Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
1 5 10 15

Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
 20 25 30
 Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
 35 40 45
 Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys
 50 55 60
 Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn
 65 70 75 80
 Ser Ser Xaa Ser Ser Ala Val Pro Arg Val Cys Leu Leu Leu Gln Gln
 85 90 95
 Cys Leu Asp Gly Thr Asp Pro Gly Thr Leu Phe Gln Pro Pro Thr Ala
 100 105 110
 Leu Arg Phe Pro Leu Arg Leu Gln Pro Pro Gly Pro Ser Ser Arg Pro
 115 120 125
 Ser Pro Ala Ser Gly Thr Cys Gln His Arg Cys Gln
 130 135 140

<210> 5092
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 5092
 Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
 1 5 10 15
 Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
 20 25 30
 Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
 35 40 45
 Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys
 50 55 60
 Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn
 65 70 75 80
 Ser Ser Xaa Ser Ser Ala Val Pro Arg Val Cys Leu Leu Leu Gln Gln
 85 90 95
 Cys Leu Asp Gly Thr Asp Pro Gly Thr Leu Phe Gln Pro Pro Thr Ala
 100 105 110
 Leu Arg Phe Pro Leu Pro Glu Ala Gly Asp Gly Arg Glu Asp Gly Pro
 115 120 125
 Gly Gly Cys Lys Arg Arg Gly Asn
 130 135

<210> 5093
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 5093
 Met Lys Ala Ser Gly Thr Leu Arg Glu Tyr Lys Val Val Gly Arg Cys
 1 5 10 15
 Leu Pro Thr Pro Lys Cys His Thr Pro Pro Leu Tyr Arg Met Arg Ile
 20 25 30
 Phe Ala Pro Asn His Val Val Ala Lys Ser Arg Phe Trp Tyr Phe Val
 35 40 45

Ser Gln Leu Lys Lys Xaa Xaa Glu Ile Ala Ala Ser Lys Cys Arg Arg
 50 55 60
 Pro Ala Val Lys Gln Phe His Asp Ser Lys Ile Lys Phe Pro Leu Pro
 65 70 75 80
 His Arg Val Leu Arg Arg Gln His Lys Pro
 85 90

<210> 5094
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5094
 Met Gly Ala Arg His Arg Ala Arg Ala His Ser Ile Gln Ile Met Lys
 1 5 10 15
 Val Glu Glu Ile Ala Ala Ser Lys Cys Arg Arg Pro Ala Val Lys Xaa
 20 25 30
 Phe His Asp Ser Lys Ile Lys Phe Pro Leu Pro His Arg Val Leu Arg
 35 40 45
 Arg Gln His Lys Pro
 50

<210> 5095
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 5095
 Met Arg Ile Phe Ala Pro Asn His Val Val Ala Lys Ser Arg Phe Trp
 1 5 10 15
 Tyr Phe Val Ser Gln Leu Lys Lys Xaa Xaa Glu Ile Ala Ala Ser Lys
 20 25 30
 Cys Arg Arg Pro Ala Val Lys Gln Phe His Asp Ser Lys Ile Lys Phe
 35 40 45
 Pro Leu Pro His Arg Val Leu Arg Arg Gln His Lys Pro
 50 55 60

<210> 5096
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5096
 Met Arg Ile Phe Ala Pro Asn His Val Val Ala Lys Ser Arg Phe Trp
 1 5 10 15
 Tyr Phe Val Ser Gln Leu Lys Lys Met Lys Lys Ser Ser Gly Glu Ile
 20 25 30
 Val Tyr Cys Gly Gln Val Phe Glu Lys Ser Pro Leu Arg Val Lys Asn
 35 40 45
 Phe Gly Ile Trp Leu Arg Tyr Asp Ser Arg Ser Gly Thr Ala Pro Glu
 50 55 60
 Pro Thr
 65

<210> 5097
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 5097
 Met Leu Arg Phe Ile Gln Lys Phe Ser Gln Ala Ser Ser Lys Ile Leu
 1 5 10 15
 Lys Tyr Ser Phe Pro Val Gly Leu Arg Thr Ser Arg Thr Asp Ile Leu
 20 25 30
 Ser Leu Lys Met Ser Leu Gln Gln Asn Phe Ser Pro Cys Pro Arg Pro
 35 40 45
 Trp Leu Ser Ser Ser Phe Pro Ala Tyr Met Ser Lys Thr Gln Cys Tyr
 50 55 60
 His Thr Ser Pro Cys Xaa Phe Lys Lys Gln Gln Ser Glu Ala Leu Leu
 65 70 75 80
 Ala Arg Pro

<210> 5098
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 5098
 Met Gly Met Leu Glu Leu Arg Trp Ala Ser Gly Gly Glu Met Val Thr
 1 5 10 15
 Leu Asp Val Gly Pro Glu Asp Glu Leu Pro Asp Trp Ala Ala Lys
 20 25 30
 Glu Phe Tyr Gln Lys Tyr Asp Pro Lys Asp Val Ile Gly Arg Gly Val
 35 40 45
 Ser Ser Val Val Arg Arg Cys Val His Arg Ala Thr Gly His Glu Phe
 50 55 60
 Ala Val Lys Ile Met Glu Val Thr Ala Glu Arg Leu Ser Pro Glu Gln
 65 70 75 80
 Leu Glu Glu Val Arg
 85

<210> 5099
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5099
 Met Ala Ala Asn Val Gly Asp Gln Arg Ser Thr Asp Trp Ser Ser Gln
 1 5 10 15
 Tyr Ser Met Val Ala Gly Ala Gly Arg Glu Asn Gly Met Glu Thr Pro
 20 25 30
 Met His Glu Asn Pro Glu Trp Glu Lys Ala Arg Gln Ala Leu Ala Ser
 35 40 45
 Ile Ser Lys Ser Gly Ala Ala Gly Gly Ser Ala Lys Ser Ser Ser Xaa
 50 55 60
 Gly Pro Val Ala Ser Ala Gln Tyr Val Ser Gln Ala Glu Ala Ser Ser
 65 70 75 80
 Phe Ala Ala Ala Ala Val

<210> 5100
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 5100
 Met Thr Thr Ala Ala Arg Pro Thr Phe Glu Pro Ala Arg Gly Gly Arg
 1 5 10 15
 Gly Lys Gly Glu Gly Asp Leu Ser Gln Leu Ser Lys Gln Tyr Ser Ser
 20 25 30
 Arg Asp Leu Pro Ser His Thr Lys Ile Lys Tyr Arg Gln Thr Thr Gln
 35 40 45
 Asp Ala Pro Glu Glu Val Arg Asn Arg Asp Phe Arg Arg Glu Leu Glu
 50 55 60
 Glu Arg Glu Arg Ala Ala Ala Arg Glu Lys Asn Arg Asp Arg Pro Thr
 65 70 75 80
 Arg Glu His Thr Thr Ser Ser Ser Val Ser Lys Lys Pro Arg Leu Asp
 85 90 95
 Gln Ile Pro Ala
 100

<210> 5101
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5101
 Met Ala Pro Lys Lys Pro Glu Pro Lys Lys Glu Ala Ala Lys Pro Ala
 1 5 10 15
 Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Glu
 20 25 30
 Ala Pro Lys Glu Pro Ala Phe Asp Pro Lys Ser Val Lys Ile Asp Phe
 35 40 45
 Thr Ala Asp Gln Ile Glu Glu Phe Lys Glu Ala Phe Ser Leu Phe Asp
 50 55 60
 Arg Thr Pro Thr Gly Glu Met Lys Ile Thr Tyr
 65 70 75

<210> 5102
 <211> 450
 <212> PRT
 <213> Homo sapiens

<400> 5102
 Met Ala Val Ala Val Arg Thr Leu Gln Glu Gln Leu Glu Lys Ala Lys
 1 5 10 15
 Glu Ser Leu Lys Asn Val Asp Glu Asn Ile Arg Lys Leu Thr Gly Arg
 20 25 30
 Asp Pro Asn Asp Val Arg Pro Ile Gln Ala Arg Leu Leu Ala Leu Ser
 35 40 45
 Gly Pro Gly Gly Gly Arg Gly Arg Gly Ser Leu Leu Leu Arg Arg Gly
 50 55 60

Phe Ser Asp Ser Gly Gly Gly Pro Pro Ala Lys Gln Arg Asp Leu Glu
 65 70 75 80
 Gly Ala Val Ser Arg Leu Gly Gly Glu Arg Arg Thr Arg Arg Glu Ser
 85 90 95
 Arg Gln Glu Ser Asp Pro Glu Asp Asp Asp Val Lys Lys Pro Ala Leu
 100 105 110
 Gln Ser Ser Val Val Ala Thr Ser Lys Glu Arg Thr Arg Arg Asp Leu
 115 120 125
 Ile Gln Asp Gln Asn Met Asp Glu Lys Gly Lys Gln Arg Asn Arg Xaa
 130 135 140
 Ile Phe Gly Leu Leu Xaa
 145 150

<210> 5103
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 5103
 Met Asn Val Gln Pro Cys Ser Arg Cys Gly Tyr Gly Val Tyr Pro Ala
 1 5 10 15
 Glu Lys Ile Ser Cys Ile Asp Gln Ile Trp His Lys Ala Cys Phe His
 20 25 30
 Cys Glu Val Cys Lys Met Met Leu Ser Val Asn Asn Phe Val Ser His
 35 40 45
 Gln Lys Lys Pro Tyr Cys His Ala His Asn Pro Lys Asn Asn Thr Phe
 50 55 60
 Thr Ser Val Tyr His
 65

<210> 5104
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 5104
 Met Asp Ser Leu Tyr Ser Ser Ile Tyr Glu Ile Glu Lys Tyr Asn Met
 1 5 10 15
 Lys Ser Tyr Lys Val Phe Ile Ser Arg Lys Met Asp Val Leu Lys Ala
 20 25 30
 Thr Ala Glu Gln Ile Ser Ser Gln Thr Gly Asn Lys Val His Ala Ile
 35 40 45
 Gln Cys Asp Val Arg Asp Pro Asp Met Val Gln Asn Thr Val Ser Glu
 50 55 60
 Leu Ile Lys Val Ala Gly His Pro Asn Ile Val Ile Asn Asn Ala
 65 70 75

<210> 5105
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 5105
 Met Lys Leu Pro Ala Arg Val Phe Phe Thr Leu Gly Ser Arg Leu Pro

1 5 10 15
 Cys Gly Leu Ala Pro Arg Arg Phe Phe Ser Tyr Gly Thr Lys Ile Leu
 20 25 30
 Tyr Gln Asn Thr Glu Ala Leu Gln Ser Lys Phe Phe Ser Pro Leu Gln
 35 40 45
 Lys Ala Met Leu Pro Pro Asn Ser Phe Gln Gly Lys Val Ala Phe Ile
 50 55 60
 Thr Gly Gly Gly Thr Gly Leu Gly Lys Gly Met Thr Thr Leu Leu Ser
 65 70 75 80
 Ser Leu Gly Ala Gln Cys Val Ile Ala Ser Arg Lys Met Asp Val Leu
 85 90 95
 Lys Ala Thr Ala Glu Gln Ile Ser Ser Gln Thr Gly Asn Lys Val His
 100 105 110
 Ala Ile Gln Cys Asp Val Arg Asp Pro Asp Met Val Gln Asn Thr Val
 115 120 125
 Ser Glu Leu Ile Lys Val Ala Gly His Pro Asn Ile Val Ile Asn Asn
 130 135 140
 Ala
 145

<210> 5106
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5106
 Met Asp Val Leu Lys Ala Thr Ala Glu Gln Ile Ser Ser Gln Thr Gly
 1 5 10 15
 Asn Lys Val His Ala Ile Gln Cys Asp Val Arg Asp Pro Asp Met Val
 20 25 30
 Gln Asn Thr Val Ser Glu Leu Ile Lys Val Ala Gly His Pro Asn Ile
 35 40 45
 Val Ile Asn Asn Ala
 50

<210> 5107
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5107
 Met Pro Glu Glu Thr Gln Thr Gln Asp Gln Pro Met Glu Glu Glu Glu
 1 5 10 15
 Val Glu Thr Phe Ala Phe Gln Ala Glu Ile Ala Gln Leu Met Ser Leu
 20 25 30
 Ile Ile Asn Thr Phe Tyr Ser Asn Lys Glu Ile Phe Leu Arg Glu Leu
 35 40 45
 Ile Ser Asn Ser Ser Asp Ala Leu Asp Lys Ile Arg Tyr Glu Ser Leu
 50 55 60
 Thr Asp Pro Ser Lys Leu Asp Ser Gly Lys Glu Leu His Ile Asn Leu
 65 70 75 80
 Ile Pro Asn Lys Gln Asp Arg Thr Leu Thr Ile Val Asp Thr Gly Ile
 85 90 95
 Gly Met Thr Lys Ala Asp Leu Ile Asn Asn Leu Gly Thr Ile Ala Lys

100 105 110
 Ser Gly Thr Lys Ala Phe Met Glu Ala Leu Gln Ala Gly Ala Asp Ile
 115 120 125
 Ser Met Ile Gly
 130

<210> 5108
 <211> 390
 <212> PRT
 <213> Homo sapiens

<400> 5108
 Met Pro Glu Glu Val His His Gly Glu Glu Glu Val Glu Thr Phe Ala
 1 5 10 15
 Phe Gln Ala Glu Ile Ala Gln Leu Met Ser Leu Ile Ile Asn Thr Phe
 20 25 30
 Tyr Ser Asn Lys Glu Ile Phe Leu Arg Glu Leu Ile Ser Asn Ala Ser
 35 40 45
 Asp Ala Leu Asp Lys Ile Arg Tyr Glu Ser Leu Thr Asp Pro Ser Lys
 50 55 60
 Leu Asp Ser Gly Lys Glu Leu Lys Ile Asp Ile Ile Pro Asn Pro Gln
 65 70 75 80
 Glu Arg Thr Leu Thr Leu Val Asp Thr Gly Ile Gly Met Thr Lys Ala
 85 90 95
 Asp Leu Ile Asn Asn Leu Gly Thr Ile Ala Lys Ser Gly Thr Lys Ala
 100 105 110
 Phe Met Glu Ala Leu Gln Ala Gly Ala Asp Ile Ser Met Ile Gly Gln
 115 120 125
 Phe Gly
 130

<210> 5109
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 5109
 Met Leu Arg Pro Ala Gly Leu Trp Arg Leu Cys Arg Arg Pro Trp Ala
 1 5 10 15
 Ala Arg Val Pro Ala Glu Asn Leu Gly Arg Arg Glu Val Thr Ser Gly
 20 25 30
 Val Ser Pro Arg Gly Ser Thr Ser Pro Arg Thr Leu Asn Ile Phe Asp
 35 40 45
 Arg Asp Leu Lys Arg Lys Gln Lys Asn Trp Ala Ala Arg Gln Pro Glu
 50 55 60
 Pro Thr Lys Phe Asp Tyr Leu Lys Glu Glu Val Gly Ser Arg Ile Ala
 65 70 75 80
 Asp Arg Val Tyr Xaa Ile Pro Arg Asn Phe Pro Leu Ala Leu Asp Leu
 85 90 95
 Xaa Val Xaa Arg Gly Tyr Ile Ala Gln Tyr Leu Asn Lys Glu Thr Ile
 100 105 110
 Gly Lys

<210> 5110

<211> 189
 <212> PRT
 <213> Homo sapiens

<400> 5110
 Met Ala Gln Arg Thr Gly Leu Glu Asp Pro Glu Arg Tyr Leu Phe Val
 1 5 10 15
 Asp Arg Ala Val Ile Tyr Asn Pro Ala Thr Gln Ala Asp Trp Thr Ala
 20 25 30
 Lys Lys Leu Val Trp Ile Pro Ser Glu Arg His Gly Phe Glu Ala Ala
 35 40 45
 Ser Ile Lys Glu Glu Arg Gly Asp Glu Val Met Val Glu Leu Ala
 50 55 60

<210> 5111
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 5111
 Met Glu Gly Ala Leu Xaa Ala Pro Phe Arg Pro Ser Gln Gly Phe Leu
 1 5 10 15
 Ser Arg Arg Leu Lys Ser Ser Ile Lys Arg Thr Lys Ser Gln Pro Lys
 20 25 30
 Leu Asp Arg Thr Ser Ser Phe Arg Gln Ile Leu Pro Arg Phe Arg Ser
 35 40 45
 Ala Asp His Asp Arg Ala Arg Leu Met Gln Ser Phe Lys Glu Ser His
 50 55 60
 Ser His Glu Ser Leu Leu Ser Pro Ser Ser Ala Ala Glu Ala Leu Glu
 65 70 75 80
 Leu Asn Leu Asp Glu Asp Ser Ile Ile Lys Pro Val His Ser Ser Ile
 85 90 95
 Leu Gly Gln Glu Phe Cys Phe Glu Val Thr Thr Ser Ser Gly Thr Lys
 100 105 110
 Cys Phe Ala Cys Arg Ser Ala Ala Glu Arg Asp Lys Trp Ile Glu Asn
 115 120 125

<210> 5112
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 5112
 Met Ser Pro Glu Ser Lys Lys Leu Phe Asn Ile Ile Ile Leu Gly Val
 1 5 10 15
 Ala Phe Met Phe Met Phe Thr Ala Phe Gln Thr Cys Gly Asn Val Ala
 20 25 30
 Gln Thr Val Ile Arg Ser Leu Asn Arg Thr Asp Phe His Gly Ser Gly
 35 40 45
 Tyr Thr Ser Met Ala Ile Ile Tyr Gly Val Phe Ser Ala Ser Asn Leu
 50 55 60
 Ile Thr Pro Ser Val
 65

<210> 5113
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 5113
 Met Ser Pro Glu Ser Lys Lys Leu Phe Asn Ile Ile Ile Leu Gly Val
 1 5 10 15
 Ala Phe Met Phe Met Phe Thr Ala Phe Gln Thr Cys Gly Asn Val Ala
 20 25 30
 Gln Thr Val Ile Arg Ser Leu Asn Arg Thr Asp Phe His Gly Ser Gly
 35 40 45
 Tyr Thr Ser Met Ala Ile Ile Tyr Gly Val Phe Ser Ala Ser Asn Leu
 50 55 60
 Ile Thr Pro Ser Val
 65

<210> 5114
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 5114
 Met Asp Lys Arg Lys Leu Gly Arg Arg Pro Ser Ser Ser Glu Ile Ile
 1 5 10 15
 Thr Glu Gly Lys Arg Lys Lys Ser Ser Asp Leu Ser Glu Ile Arg
 20 25 30
 Lys Met Leu Asn Ala Lys Pro Glu Asp Val His Val Gln Ser Pro Leu
 35 40 45
 Ser Lys Phe Arg Ser Ser Glu Arg Trp Thr Leu Pro Leu Gln Trp Glu
 50 55 60
 Arg Ser Leu Arg Asn Lys Val Ile Ser Leu Asp His Lys Asn Lys Lys
 65 70 75 80
 His Ile Arg Gly Cys Pro Val Thr Ser Lys Ser Ser Pro Glu Arg Gln
 85 90 95
 Leu Lys Val Met Leu Thr Asn Val Leu Trp Thr Asp Leu Gly Arg Lys
 100 105 110
 Phe Arg Lys Thr Leu Pro Arg Asn Asp Ala Asn Leu Cys Asp Ala Asn
 115 120 125
 Lys Val Gln Ser Asp Ser Leu Pro Ser Thr Ser Val
 130 135 140

<210> 5115
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 5115
 Met Val Gln Glu His Asp Glu Pro Ile Leu Lys His Leu Lys Asp Ile
 1 5 10 15
 Lys Val Lys Phe Ser Asp Ala Gly Gln Pro Met Ser Phe Val Leu Glu
 20 25 30
 Phe His Phe Glu Pro Asn Glu Tyr Phe Thr Asn Glu Val Leu Thr Lys
 35 40 45

Thr Tyr Arg Met Arg Ser Glu Pro Asp Asp Ser Asp Pro Phe Ser Phe
 50 55 60
 Asp Gly Pro Glu Ile Met Gly Cys Thr Gly Cys Gln Ile Asp Trp Lys
 65 70 75 80
 Lys Gly Lys Asn Val Thr Leu Lys Thr Ile Lys Lys Lys Gln Lys His
 85 90 95
 Lys Gly

<210> 5116
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5116
 Met Ser Thr Val His Glu Ile Leu Cys Lys Leu Ser Leu Glu Gly Asp
 1 5 10 15
 His Ser Thr Pro Pro Ser Ala Tyr Gly Ser Val Lys Ala Tyr Thr Asn
 20 25 30
 Phe Asp Ala Glu Arg Asp Ala Leu Asn Ile Glu Thr Ala Ile Lys Thr
 35 40 45
 Lys Gly Val Asp Glu Val Thr Ile Val Asn Ile Leu Thr Asn Arg Ser
 50 55 60
 Asn Ala Gln Arg Gln Asp Ile Ala Phe Ala Tyr Gln Arg Arg Thr Lys
 65 70 75 80
 Lys Glu Leu Ala Ser Ala Leu Lys Ser Ala Leu Ser Gly His Leu Glu
 85 90 95
 Thr Val Ile Leu Gly Leu Leu Lys Thr Pro Ala Gln Tyr Asp Ala Ser
 100 105 110
 Glu Leu Lys Ala Ser Met Lys Gly Leu Gly Thr Asp Glu Asp Ser Leu
 115 120 125
 Ile Glu Ile Ile
 130

<210> 5117
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5117
 Met Gly Ile Met Asn Ser Phe Val Asn Asp Ile Phe Glu Arg Ile Ala
 1 5 10 15
 Gly Glu Ala Ser Arg Leu Ala His Tyr Asn Lys Ala Leu Asp His His
 20 25 30
 Leu Gln Gly Asp Pro Asp Gly Arg Ala Pro Ala Ala Ser Arg Gly Ala
 35 40 45
 Gly Gln Ala Arg Cys Val Arg Gly His Gln Gly Arg Tyr Gln Val His
 50 55 60
 Gln Leu Gln Val Asn Leu Ser Leu Gln Leu
 65 70

<210> 5118
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5118

Met Gly Ile Met Asn Ser Phe Val Asn Asp Ile Phe Glu Arg Ile Ala
1 5 10 15
Gly Glu Ala Ser Arg Leu Ala His Tyr Asn Lys Ala Leu Xaa His His
20 25 30
Xaa Xaa Xaa Asp Pro Asp Gly Arg Ala Pro Ala Ala Xaa Arg Xaa Ala
35 40 45
Gly Gln Ala Arg Xaa Val Arg Gly His Gln Gly Arg Xaa Gln Val His
50 55 60
Gln Leu Gln Val Asn Leu Ser Leu Gln Leu
65 70

<210> 5119

<211> 222

<212> PRT

<213> Homo sapiens

<400> 5119

Met Gly Ile Met Asn Ser Phe Val Asn Asp Ile Phe Glu Arg Ile Ala
1 5 10 15
Gly Glu Ala Ser Arg Leu Ala His Tyr Asn Lys Ala Leu Asp His His
20 25 30
Leu Gln Gly Asp Pro Asp Gly Arg Ala Pro Ala Ala Ser Arg Gly Ala
35 40 45
Gly Gln Ala Arg Cys Val Arg Gly His Gln Gly Arg Tyr Gln Val His
50 55 60
Gln Leu Gln Val Asn Leu Ser Leu Gln Leu
65 70

<210> 5120

<211> 222

<212> PRT

<213> Homo sapiens

<400> 5120

Met Gly Ile Met Asn Ser Phe Val Asn Asp Ile Phe Glu Arg Ile Ala
1 5 10 15
Gly Glu Ala Ser Arg Leu Ala His Tyr Asn Lys Ala Xaa Asp His His
20 25 30
Leu Gln Gly Asp Pro Asp Xaa Arg Ala Pro Ala Ala Xaa Xaa Gly Xaa
35 40 45
Gly Gln Ala Arg Xaa Val Arg Gly His Xaa Gly Arg Tyr Gln Val His
50 55 60
Gln Leu Gln Val Asn Leu Ser Leu Gln Leu
65 70

<210> 5121

<211> 222

<212> PRT

<213> Homo sapiens

<400> 5121

Met Gly Ile Met Asn Ser Phe Xaa Asn Asp Ile Phe Glu Arg Ile Ala

1		5		10		15									
Gly	Glu	Ala	Ser	Arg	Leu	Ala	His	Tyr	Asn	Lys	Ala	Leu	Asp	His	His
		20		25		30									
Leu	Gln	Gly	Asp	Pro	Asp	Gly	Arg	Ala	Pro	Ala	Ala	Ser	Arg	Gly	Ala
		35		40		45									
Gly	Gln	Ala	Arg	Cys	Val	Arg	Gly	His	Gln	Gly	Arg	Tyr	Gln	Val	His
		50		55		60									
Gln	Leu	Gln	Val	Asn	Leu	Ser	Leu	Gln	Leu						
65				70											

<210> 5122
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 5122															
Met	Ala	Phe	Gln	Tyr	Val	Trp	Leu	Ser	Leu	Glu	Gln	Leu	Pro	Tyr	Leu
1			5				10					15			
Thr	Ser	Ser	Arg	Leu	Tyr	Pro	Ala	Leu	Pro	Cys	Phe	Ala	Ser	Pro	Ser
			20				25					30			
Pro	Pro	Asp	Ser	Ile	Ser	Ala	Ala	His	Gly	Thr	Ser	Gly	Arg	Cys	Gln
		35		40								45			
Thr	Thr	Arg	Gln	Asp	Ser	Leu	Gln	Gly	Glu	Gly	Leu	Ser	Leu	Glu	Phe
		50		55							60				
Pro	Asp	Met	Thr	Lys	Lys	Ala	Ser	Tyr	Gln	Lys	Lys	His	Asn	Cys	Leu
65				70					75					80	
Arg	Leu	Pro	Xaa	Xaa	Leu	Leu	Gln	Lys	Arg	Arg	Arg				
			85					90							

<210> 5123
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 5123															
Met	Asp	Ile	Ala	Ile	His	His	Pro	Trp	Ile	Arg	Arg	Pro	Phe	Phe	Pro
1			5				10					15			
Phe	His	Ser	Pro	Ser	Arg	Leu	Phe	Asp	Gln	Phe	Phe	Gly	Glu	His	Leu
			20				25					30			
Leu	Glu	Ser	Asp	Leu	Phe	Pro	Thr	Ser	Thr	Ser	Leu	Ser	Pro	Phe	Tyr
		35		40								45			
Leu	Arg	Pro	Pro	Ser	Phe	Leu	Arg	Ala	Pro	Ser	Trp	Phe	Asp	Thr	Gly
		50		55							60				
Leu	Ser	Glu	Val	Ser	Leu	Pro	Thr	Ala	Arg	Thr	Gly	Glu	Ser	Leu	Leu
65				70					75					80	
Glu	Pro	Pro	Gly	Asn	Phe	Ser	Ile	His	Phe	Pro	Phe	Leu			
			85					90							

<210> 5124
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 5124

Met Asp Ile Ala Ile His His Pro Trp Ile Arg Arg Pro Phe Phe Pro
 1 5 10 15
 Phe His Ser Pro Ser Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu
 20 25 30
 Leu Glu Ser Asp Leu Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr
 35 40 45
 Leu Arg Pro Pro Ser Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly
 50 55 60
 Leu Ser Glu Val Ser Leu Pro Thr Ala Arg Thr Gly Glu Ser Leu Leu
 65 70 75 80
 Glu Pro Pro Gly Asn Phe Ser Ile His Phe Pro Phe Leu
 85 90

<210> 5125
 <211> 504
 <212> PRT
 <213> Homo sapiens

<400> 5125
 Met Thr Ser Ala Phe Lys Leu Asp Phe Leu Pro Asp Met Met Val Xaa
 1 5 10 15
 Gly Arg Leu Leu Val Pro Asp Arg Ile Asn Gly Thr Ala Asn Lys Met
 20 25 30
 Asn Gly Ala Leu Asp Xaa Xaa Asp Gln Pro Asp Pro Asp Ala Ile Lys
 35 40 45
 Met Phe Val Gly Xaa Ile Pro Arg Ser Trp Ser Xaa Lys Glu Leu Thr
 50 55 60
 Ser Gln Leu Thr Pro His Thr His Leu Ala Thr Met Asp Ile Ala Ile
 65 70 75 80
 His His Pro Trp Ile Arg Arg Pro Phe Phe Pro Phe His Ser Pro Ser
 85 90 95
 Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu Leu Glu Ser Asp Leu
 100 105 110
 Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr Leu Arg Pro Pro Ser
 115 120 125
 Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly Leu Ser Glu Val Ser
 130 135 140
 Leu Pro Thr Ala Arg Thr Gly Glu Ser Leu Leu Glu Pro Pro Gly Asn
 145 150 155 160
 Phe Ser Ile His Phe Pro Phe Leu
 165

<210> 5126
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 5126
 Met Asp Ile Ala Ile His His Pro Trp Ile Arg Arg Pro Phe Phe Pro
 1 5 10 15
 Phe His Ser Pro Ser Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu
 20 25 30
 Leu Glu Ser Asp Leu Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr
 35 40 45

Leu Arg Pro Pro Ser Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly
 50 55 60
 Leu Ser Glu Val Ser Leu Pro Thr Ala Arg Thr Gly Glu Ser Leu Leu
 65 70 75 80
 Glu Pro Pro Gly Asn Phe Ser Ile His Phe Pro Phe Leu
 85 90

<210> 5127
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5127
 Met Asn Gly Ala Leu Asp His Ser Xaa Gln Pro Asp Pro Asp Ala Ile
 1 5 10 15
 Lys Met Phe Val Gly Gln Ile Pro Arg Ser Trp Ser Glu Lys Glu Leu
 20 25 30
 Lys Glu Leu Phe Glu Pro Tyr Gly Ala Val Tyr Gln Ile Asn Val Leu
 35 40 45
 Arg Asp Arg Ser Gln Asn Pro Pro Gln Ser Lys Gly Cys Cys Phe Val
 50 55 60
 Thr Phe Tyr Thr Arg Lys Ala Ala Leu Glu Ala
 65 70 75

<210> 5128
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 5128
 Met Asp Ile Ala Ile His His Pro Trp Ile Arg Arg Pro Phe Phe Pro
 1 5 10 15
 Phe His Ser Pro Ser Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu
 20 25 30
 Leu Glu Ser Asp Leu Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr
 35 40 45
 Leu Arg Pro Pro Ser Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly
 50 55 60
 Leu Ser Glu Val Ser Leu Pro Thr Ala Arg Thr Gly Glu Ser Leu Leu
 65 70 75 80
 Glu Pro Pro Gly Asn Phe Ser Ile His Phe Pro Phe Leu
 85 90

<210> 5129
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 5129
 Met Asp Ile Ala Ile His His Pro Phe Xaa Pro Phe His Ser Pro Ser
 1 5 10 15
 Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu Leu Glu Ser Asp Xaa
 20 25 30
 Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr Leu Arg Pro Pro Ser

35 40 45
Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly Leu Ser Glu Val Ser
50 55 60
Leu Pro Thr Ala Arg Thr Gly Glu Ser Leu Leu Glu Pro Pro Gly Asn
65 70 75 80
Phe Ser Ile His Phe Pro Phe Leu
85

<210> 5130
<211> 363
<212> PRT
<213> Homo sapiens

<400> 5130
Met Ala Ala Thr Thr Gly Ser Gly Val Lys Val Pro Arg Asn Phe Arg
1 5 10 15
Leu Leu Glu Glu Leu Glu Glu Gly Gln Lys Gly Val Gly Asp Gly Thr
20 25 30
Val Ser Trp Gly Leu Glu Asp Asp Glu Asp Met Thr Leu Thr Arg Trp
35 40 45
Thr Gly Met Ile Ile Gly Pro Pro Arg Thr Ile Tyr Glu Asn Arg Ile
50 55 60
Tyr Ser Leu Lys Ile Glu Cys Gly Pro Lys Tyr Pro Glu Ala Pro Pro
65 70 75 80
Phe Val Arg Phe Val Thr Lys Ile Asn Met Asn Gly Val Asn Ser Ser
85 90 95
Asn Gly Val Val Asp Pro Arg Ala Ile Ser Val Leu Ala Lys Trp Gln
100 105 110
Xaa Ser Tyr Ser Ile Lys Val Val Leu
115 120

<210> 5131
<211> 375
<212> PRT
<213> Homo sapiens

<400> 5131
Met Ala Val Ser Thr Gly Val Lys Val Pro Arg Asn Phe Arg Leu Leu
1 5 10 15
Glu Glu Leu Glu Glu Gly Gln Lys Gly Val Gly Asp Gly Thr Val Ser
20 25 30
Trp Gly Leu Glu Asp Asp Glu Asp Met Thr Leu Thr Arg Trp Thr Gly
35 40 45
Met Ile Ile Gly Pro Pro Arg Thr Asn Tyr Glu Asn Arg Ile Tyr Ser
50 55 60
Leu Lys Val Glu Cys Gly Pro Lys Tyr Pro Glu Ala Pro Pro Ser Val
65 70 75 80
Arg Phe Val Thr Lys Ile Asn Met Asn Gly Ile Asn Asn Ser Ser Gly
85 90 95
Met Val Asp Ala Arg Ser Ile Pro Val Leu Ala Lys Trp Gln Asn Ser
100 105 110
Tyr Ser Ile Lys Val Val Leu Gln Glu Leu Arg Arg Leu
115 120 125

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[illegible]

<400> 5133

Met	Tyr	Thr	Arg	Ala	Ala	Asn	Met	Phe	Lys	Met	Ala	Lys	Asn	Trp	Ser
1				5					10					15	
Ala	Ala	Gly	Asn	Ala	Phe	Cys	Gln	Ala	Ala	Lys	Leu	His	Met	Gln	Leu
			20					25					30		
Gln	Ser	Lys	His	Asp	Ser	Ala	Thr	Ser	Phe	Val	Asp	Ala	Gly	Asn	Ala
		35					40					45			
Tyr	Lys	Lys	Ala	Asp	Pro	Gln	Glu	Ala	Ile	Asn	Cys	Leu	Asn	Ala	Ala
	50					55					60				
Ile	Asp	Ile	Tyr	Thr	Asp	Met	Gly	Arg	Phe	Thr	Ile	Ala	Ala		
65					70					75					

<400> 5134

3034

Arg Ala Leu Cys Thr Gly Glu Lys Gly Ile Gly His Thr Thr Gly Lys
 50 55 60
 Pro Leu His Phe Lys Gly Cys Pro Phe His Arg Ile Ile Lys Lys Phe
 65 70 75 80
 Met Ile Gln Gly

<210> 5135
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5135
 Met Ser Val Pro Ser Ala Leu Met Lys Gln Pro Pro Ile Gln Ser Thr
 1 5 10 15
 Ala Gly Ala Val Pro Val Arg Asn Glu Lys Gly Glu Ile Ser Met Glu
 20 25 30
 Lys Val Lys Val Lys Arg Tyr Val Ser Gly Lys Arg Pro Asp Tyr Ala
 35 40 45
 Pro Met Glu Ser Ser Asp Glu Glu Asp Glu Glu Phe Gln Phe Ile Lys
 50 55 60
 Lys Ala
 65

<210> 5136
 <211> 471
 <212> PRT
 <213> Homo sapiens

<400> 5136
 Met Ala Ser Pro Ser Leu Glu Arg Pro Glu Lys Gly Ala Gly Lys Ser
 1 5 10 15
 Glu Phe Arg Asn Gln Lys Pro Lys Pro Glu Asn Gln Asp Glu Ser Glu
 20 25 30
 Leu Leu Thr Val Pro Asp Gly Trp Lys Glu Pro Ala Phe Ser Lys Glu
 35 40 45
 Asp Asn Pro Arg Gly Leu Leu Glu Glu Ser Ser Phe Ala Thr Leu Phe
 50 55 60
 Pro Lys Tyr Arg Glu Ala Tyr Leu Lys Glu Cys Trp Pro Leu Val Gln
 65 70 75 80
 Lys Ala Leu Asn Glu His His Val Asn Ala Thr Leu Asp Leu Ile Glu
 85 90 95
 Gly Ser Met Thr Val Cys Thr Thr Lys Lys Thr Phe Asp Pro Tyr Ile
 100 105 110
 Ile Ile Arg Ala Arg Asp Leu Ile Lys Leu Leu Ala Arg Ser Val Ser
 115 120 125
 Phe Glu Gln Ala Val Gln Ile Leu Gln Asp Asp Val Ala Cys Asp Ile
 130 135 140
 Ile Lys Ile Gly Ser Leu Val Gly Ile Lys Arg Asp Leu
 145 150 155

<210> 5137
 <211> 306
 <212> PRT
 <213> Homo sapiens

[illegible]

<210> 5138

<212> PRT

<400> 5138

<210> 5139

<211> 162

<212> PRT

<400> 5139

<210> 5140

<211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5140
 Met Pro Pro Lys Lys Gly Gly Asp Gly Ile Lys Pro Pro Pro Ile Ile
 1 5 10 15
 Gly Arg Phe Gly Thr Ser Leu Lys Ile Gly Ile Val Gly Leu Pro Asn
 20 25 30
 Val Gly Lys Ser Thr Phe Phe Asn Val Leu Thr Asn Ser Gln Ala Ser
 35 40 45
 Ala Glu Asn Phe Pro Phe Cys Thr Ile Asp Pro Asn Glu Ser Arg Val
 50 55 60
 Pro Val Pro Asp Glu Arg Phe Asp Phe Leu Cys Gln Tyr His Lys Pro
 65 70 75 80
 Ala Ser Lys Ile Pro Ala Phe Leu Asn Val Val Asp Ile Ala Gly Leu
 85 90 95
 Val Lys Gly Ala His Asn Gly Gln Gly Leu Gly Asn Ala Phe Leu Ser
 100 105 110
 His Ile Ser Ala Cys Asp Gly Ile Phe His Leu Thr Arg Ala Phe Glu
 115 120 125
 Asp Asp Asp Ile
 130

<210> 5141
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 5141
 Met Thr Ala Thr Leu Arg Pro Tyr Leu Ser Ala Val Arg Ala Thr Leu
 1 5 10 15
 Gln Ala Xaa Leu Cys Leu Glu Asn Phe Ser Ser Gln Val Val Glu Arg
 20 25 30
 His Asn Lys Pro Glu Val Glu Val Arg Ser Ser Lys Glu Leu Leu Leu
 35 40 45
 Gln Pro Val Thr Ile Ser Arg Asn Xaa Lys Glu Lys Val Leu
 50 55 60

<210> 5142
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 5142
 Met Ala Lys Ser Lys Asn His Thr Thr His Asn Gln Ser Arg Lys Trp
 1 5 10 15
 His Arg Asn Gly Ile Lys Lys Pro Arg Ser Gln Arg Tyr Glu Ser Leu
 20 25 30
 Lys Gly Val Asp Pro Lys Phe Leu Arg Asn Xaa Arg Phe Ala Lys Lys
 35 40 45
 His Asn Lys Lys Gly Leu Lys Lys Met Gln Ala Asn Asn Ala Lys Ser
 50 55 60
 Lys Asn His Thr Thr His Asn Gln Ser Arg Lys Xaa His Arg Asn Xaa

80

<400> 5143

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<210> 5144
<211> 225
<212> PRT
<213> Homo sapiens
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<400> 5144

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<210> 5145
<211> 378
<212> PRT
<213> Homo sapiens
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<400> 5145

3038

	20		25		30										
Val	His	Leu	Leu	Gly	Arg	Val	Gly	Gln	Asp	Pro	Val	Leu	Arg	Gln	Val
	35						40					45			
Glu	Gly	Lys	Asn	Pro	Val	Thr	Ile	Phe	Ser	Leu	Ala	Thr	Asn	Glu	Met
	50						55					60			
Trp	Arg	Ser	Gly	Asp	Ser	Glu	Val	Tyr	Gln	Leu	Gly	Asp	Val	Ser	Gln
65						70				75				80	
Lys	Thr	Thr	Trp	His	Arg	Ile	Ser	Val	Phe	Arg	Pro	Gly	Leu	Arg	Asp
				85					90					95	
Val	Ala	Tyr	Gln	Tyr	Val	Lys	Lys	Gly	Ser	Arg	Ile	Tyr	Leu	Glu	Gly
			100					105					110		
Lys	Ile	Asp	Tyr	Gly	Glu	Tyr	Met	Asp	Lys	Asn	Asn	Val	Arg		
	115						120					125			

<210> 5146
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 5146															
Met	Arg	Pro	Leu	Asp	Ile	Asp	Glu	Val	Glu	Ala	Pro	Glu	Glu	Val	Glu
1			5						10				15		
Val	Leu	Glu	Pro	Glu	Glu	Asp	Phe	Glu	Gln	Phe	Leu	Leu	Pro	Val	Ile
			20					25					30		
Asn	Glu	Met	Arg	Glu	Asp	Ile	Ala	Ser	Leu	Ile	Arg	Glu	His	Gly	Arg
		35					40					45			
Ala	Tyr	Leu	Arg	Thr	Arg	Ser	Lys	Leu	Trp	Glu	Met	Asp	Asn	Met	Leu
	50					55					60				
Ile	Gln	Ile	Lys	Thr	Gln										
65					70										

<210> 5147
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 5147															
Met	Arg	Pro	Leu	Asp	Ile	Val	Glu	Leu	Ala	Glu	Pro	Glu	Glu	Val	Glu
1			5						10				15		
Val	Leu	Glu	Pro	Glu	Glu	Asp	Phe	Glu	Gln	Phe	Leu	Leu	Pro	Val	Ile
			20					25					30		
Asn	Glu	Met	Arg	Glu	Asp	Ile	Ala	Ser	Leu	Thr	Arg	Glu	His	Gly	Arg
		35					40					45			
Ala	Tyr	Leu	Arg	Asn	Arg	Ser	Lys	Gln	Trp	Glu	Glu	Met	Arg	Pro	Leu
	50					55					60				
Asp	Ile	Val	Glu	Xaa	Ala	Glu	Thr								
65					70										

<210> 5148
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5148

Met Arg Pro Leu Asp Ile Val Glu Leu Ala Glu Pro Glu Glu Val Glu
 1 5 10 15
 Val Leu Glu Pro Glu Glu Asp Phe Glu Gln Phe Leu Leu Pro Val Ile
 20 25 30
 Asn Glu Met Arg Glu Asp Ile Ala Ser Leu Thr Arg Glu His Gly Arg
 35 40 45
 Ala Tyr Leu Arg Asn Arg Ser Lys Leu Trp Glu Met Asp Asn Met Leu
 50 55 60
 Ile Gln Ile Lys Thr Gln Val Glu Ala Ser Lys Glu
 65 70 75

<210> 5149
 <211> 213
 <212> PRT
 <213> Homo sapiens

<400> 5149
 Met Arg Pro Leu Asp Ile Val Glu Leu Ala Glu Pro Glu Glu Val Glu
 1 5 10 15
 Val Leu Glu Pro Glu Glu Asp Phe Glu Gln Phe Leu Leu Pro Val Ile
 20 25 30
 Asn Glu Met Arg Glu Asp Ile Ala Ser Leu Thr Arg Xaa His Gly Arg
 35 40 45
 Ala Tyr Leu Arg Asn Arg Ser Lys Leu Trp Glu Met Asp Asn Met Leu
 50 55 60
 Ile Gln Ile Lys Thr Gln Val
 65 70

<210> 5150
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5150
 Met Gln Asp Pro Asn Ala Asp Thr Glu Trp Asn Asp Ile Leu Arg Lys
 1 5 10 15
 Lys Gly Ile Leu Pro Pro Lys Glu Ser Leu Lys Glu Leu Glu Glu Glu
 20 25 30
 Ala Glu Glu Glu Gln Arg Ile Leu Gln Gln Ser Val Val Lys Thr Tyr
 35 40 45
 Glu Asp Met Thr Leu Glu Glu Leu Glu Asp His Glu Asp Glu Phe Asn
 50 55 60
 Glu Glu Asp Glu Arg Ala Ile Glu Met Tyr Arg Arg Arg Arg Leu Ala
 65 70 75 80
 Glu Trp Lys Ala Thr Lys Leu Lys Asn Lys Phe Gly Gly Ser Phe Gly
 85 90 95
 Asp Leu Arg Gly Leu Cys Ser Arg Ser Tyr Gln Ser Trp Arg Gly Leu
 100 105 110
 Val Gly His Leu Ala Pro Leu Gln Thr Arg Asn Ser Pro Leu Cys Leu
 115 120 125
 Ile Asn Gln His
 130

<210> 5151

<211> 384
 <212> PRT
 <213> Homo sapiens

<400> 5151

Met	Glu	Val	Lys	Gly	Lys	Lys	Gln	Phe	Thr	Gly	Lys	Xaa	Thr	Lys	Thr
1			5						10					15	
Ala	Gln	Glu	Lys	Asn	Arg	Phe	His	Lys	Asn	Ser	Asp	Ser	Gly	Ser	Ser
			20					25					30		
Lys	Thr	Phe	Pro	Thr	Arg	Lys	Val	Ala	Lys	Glu	Gly	Gly	Pro	Lys	Val
		35					40					45			
Thr	Ser	Arg	Asn	Phe	Glu	Lys	Ser	Ile	Thr	Lys	Leu	Gly	Lys	Lys	Gly
	50					55					60				
Val	Lys	Gln	Phe	Lys	Asn	Lys	Gln	Gln	Gly	Asp	Lys	Ser	Pro	Lys	Asn
65					70					75					80
Lys	Phe	Gln	Pro	Ala	Asn	Lys	Phe	Asn	Lys	Lys	Arg	Lys	Phe	Gln	Pro
				85					90					95	
Asp	Gly	Arg	Ser	Asp	Glu	Ser	Ala	Ala	Lys	Lys	Pro	Lys	Trp	Asp	Asp
			100					105						110	
Phe	Lys	Lys	Lys	Lys	Lys	Glu	Leu	Lys	Gln	Ser	Arg	Gln	Leu	Ser	Asp
		115					120						125		

<210> 5152
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 5152

Met	Ala	Asp	Ser	Ser	Gly	Gln	Gln	Gly	Lys	Gly	Arg	Arg	Val	Gln	Pro
1				5					10					15	
Gln	Trp	Ser	Pro	Pro	Ala	Gly	Thr	Gln	Pro	Cys	Arg	Leu	His	Leu	Tyr
			20					25					30		
Asn	Ser	Leu	Thr	Arg	Asn	Lys	Glu	Val	Phe	Ile	Pro	Gln	Asp	Gly	Lys
		35					40					45			
Lys	Val	Thr	Trp	Tyr	Cys	Cys	Gly	Pro	Thr	Val	Tyr	Asp	Ala	Ser	His
	50					55					60				
Met	Gly	His	Ala	Arg	Ser	Tyr	Ile	Ser	Phe	Asp	Ile	Leu	Arg	Arg	Val
65					70					75					80
Leu	Lys	Asp	Tyr	Phe	Lys	Phe	Asp	Val	Phe	Tyr	Cys	Xaa	Asn	Ile	Thr
				85					90					95	

<210> 5153
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 5153

Met	Lys	Asp	Ser	Ala	Pro	Glu	Leu	Asn	Val	Ser	Ser	Ser	Glu	Thr	Glu
1				5					10					15	
Xaa	Asp	Lys	Glu	Glu	Ala	Lys	Pro	Asp	Gly	Glu	Xaa	Xaa	Xaa	Asp	Phe
			20					25					30		
Asn	Gln	Ser	Asn	Gly	Gly	Thr	Lys	Arg	Gln	Lys	Ile	Ser	His	Gln	Asn
		35					40					45			
Tyr	Ile	Ala	Tyr	Gln	Ser	Lys	Leu	Phe	Ala	Glu	Val	Cys			

50

55

60

<210> 5154
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5154
 Met Cys Arg Leu Trp Phe Glu Cys Ser Lys Gln Cys Ser Lys Met Val
 1 5 10 15
 Pro Asn Asp Cys Lys Pro Asp Leu Lys His Val Lys Lys Val Tyr Ser
 20 25 30
 Cys Asp Leu Thr Thr Leu Val Lys Ala His Thr Thr Lys Arg Pro Met
 35 40 45
 Val Val Asp Met Cys Ile Arg Glu Ile Glu Ser Arg Gly Leu Asn Ser
 50 55 60
 Glu Gly Leu Tyr Arg Val Ser Gly Phe Ser Asp Leu Ile Glu Asp Val
 65 70 75 80
 Lys Met Ala Phe Asp Arg Asp Gly Glu Lys Ala Asp Ile Ser Val Asn
 85 90 95
 Met Tyr Glu Asp Ile Asn Ile Ile Thr Gly
 100 105

<210> 5155
 <211> 648
 <212> PRT
 <213> Homo sapiens

<400> 5155
 Met Pro Ser Lys Glu Ser Trp Ser Gly Arg Lys Thr Asn Arg Ala Ala
 1 5 10 15
 Val His Lys Ser Lys Gln Glu Gly Arg Gln Gln Asp Leu Leu Ile Ala
 20 25 30
 Ala Leu Gly Met Lys Leu Gly Ser Pro Lys Ser Ser Val Thr Ile Trp
 35 40 45
 Gln Pro Leu Lys Leu Phe Ala Tyr Ser Gln Leu Thr Ser Leu Val Arg
 50 55 60
 Arg Ala Thr Leu Lys Glu Asn Glu Gln Ile Pro Lys Tyr Glu Lys Ile
 65 70 75 80
 His Asn Phe Lys Val His Thr Phe Arg Gly Pro His Trp Cys Glu Tyr
 85 90 95
 Cys Ala Asn Phe Met Trp Gly Leu Ile Ala Gln Gly Val Lys Cys Ala
 100 105 110
 Asp Cys Gly Leu Asn Val His Lys Gln Cys Ser Lys Met Val Pro Asn
 115 120 125
 Asp Cys Lys Pro Asp Leu Lys His Val Lys Lys Val Tyr Ser Cys Asp
 130 135 140
 Leu Thr Thr Leu Val Lys Ala His Thr Thr Lys Arg Pro Met Val Val
 145 150 155 160
 Asp Met Cys Ile Arg Glu Ile Glu Ser Arg Gly Leu Asn Ser Glu Gly
 165 170 175
 Leu Tyr Arg Val Ser Gly Phe Ser Asp Leu Ile Glu Asp Val Lys Met
 180 185 190
 Ala Phe Asp Arg Asp Gly Glu Lys Ala Asp Ile Ser Val Asn Met Tyr

Gly Thr Ala Leu Lys Ala Asn Pro Phe Gly Gly Ala Ser His Ala Lys
 35 40 45
 Gly Leu Ala Ile Ala Ser His Pro
 50 55

<210> 5159
 <211> 297
 <212> PRT
 <213> Homo sapiens

<400> 5159
 Met Val Gln Leu Gln Gly Gly Arg Phe Leu Met Gly Thr Asn Ser Pro
 1 5 10 15
 Asp Ser Arg Asp Gly Glu Gly Pro Val Arg Glu Ala Thr Val Lys Pro
 20 25 30
 Phe Ala Ile Asp Ile Phe Pro Val Thr Asn Lys Asp Phe Arg Asp Phe
 35 40 45
 Val Arg Glu Lys Lys Tyr Arg Thr Glu Ala Glu Met Phe Gly Trp Ser
 50 55 60
 Phe Val Phe Glu Asp Phe Val Ser Asp Glu Leu Arg Asn Lys Ala Thr
 65 70 75 80
 Gln Pro Met Lys Val Lys Phe Thr His Gly Gly Thr Gly Ser Ser Gln
 85 90 95
 Thr Ala Pro

<210> 5160
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 5160
 Met Pro Gly Val Thr Val Lys Asp Val Asn Gln Gln Glu Phe Val Arg
 1 5 10 15
 Ala Leu Ala Ala Phe Leu Lys Lys Ser Gly Lys Leu Lys Val Pro Glu
 20 25 30
 Trp Val Asp Thr Val Lys Leu Ala Lys His Lys Glu Leu Ala Pro Tyr
 35 40 45
 Asp Glu Asn Trp Phe Tyr Thr Arg Ala Ala Ser Thr Ala Arg His Leu
 50 55 60
 Tyr Leu Arg Gly Gly Ala Gly Val Gly Ser Met Thr Lys Ile Tyr Gly
 65 70 75 80
 Gly Arg Gln Arg Asn Gly Val Met Pro Ser His Phe Ser Arg Gly Ser
 85 90 95
 Lys Ser Val Ala Arg Arg Val Leu Gln Ala Leu Glu Gly Leu Lys Met
 100 105 110
 Val Glu Lys Asp Gln Asp Gly Gly Arg Lys Leu Thr Pro Gln Gly Gln
 115 120 125
 Arg Asp Leu Asp Arg Ile Ala Gly Gln Trp Gln Leu
 130 135 140

<210> 5161
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 5161
 Met Ala Gly Ala Leu Val Arg Lys Ala Ala Asp Tyr Val Arg Ser Lys
 1 5 10 15
 Asp Phe Arg Asp Tyr Leu Met Ser Thr His Phe Trp Gly Pro Val Ala
 20 25 30
 Asn Trp Gly Leu Pro Ile Ala Ala Ile Asn Asp Met Lys Lys Ser Pro
 35 40 45
 Glu Ile Ile Ser Gly Arg Met Thr Phe Ala Leu Cys Cys Tyr Ser Leu
 50 55 60
 Thr Phe Met Arg Phe Ala Tyr Lys Val Gln Pro Arg Asn Trp Leu Leu
 65 70 75 80
 Phe Ala Cys His Ala Thr Asn Glu Val Ala Gln Leu Ile Gln Gly Gly
 85 90 95
 Arg Leu Ile Lys His Glu Met Thr Lys Thr Ala Ser Ala
 100 105

<210> 5162
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 5162
 Met Val Glu Tyr Ser Leu Ser Lys Gly Lys Gly Asn Lys Val Ser Ala
 1 5 10 15
 Glu Lys Val Asn Lys Thr His Ser Val Asn Gly Ile Thr Glu Glu Ala
 20 25 30
 Asp Pro Thr Ile Tyr Ser Gly Lys Val Ile Arg Pro Leu Arg Ser Val
 35 40 45
 Asp Pro Thr Gln Thr Glu Tyr Gln Gly Met Ile Glu Ile Val Glu Glu
 50 55 60
 Gly Asp Met Lys Gly Glu Val Tyr Pro Phe Gly Ile Val Gly Met Ala
 65 70 75 80
 Asn Lys Gly Asp Cys Leu Gln Lys Gly Glu Ser Val Lys Phe Gln Xaa
 85 90 95
 Xaa Val Leu Gly Xaa Xaa Arg Trp Xaa Tyr Gly Leu His Xaa
 100 105 110

<210> 5163
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 5163
 Met Ala Ala Gln Tyr Gly Ser Met Ser Phe Asn Pro Ser Thr Pro Gly
 1 5 10 15
 Ala Ser Tyr Gly Pro Gly Arg Gln Glu Pro Arg Asn Ser Gln Leu Arg
 20 25 30
 Ile Val Leu Val Gly Lys Thr Gly Ala Gly Lys Ser Ala Thr Gly Asn
 35 40 45
 Ser Ile Leu Gly Arg Lys Val Phe His Ser Gly Thr Ala Ala Lys Ser
 50 55 60
 Ile Thr Lys Lys Cys Glu Lys Arg Ser Ser Ser Trp Lys Glu Thr Glu
 65 70 75 80

Leu Val Val Val Asp Thr Pro Gly Ile Phe Asp Thr Glu Val Pro Asn
85 90 95
Ala Glu Thr Ser Lys Glu Ile Ile Arg Cys Ile
100 105

<210> 5164
<211> 324
<212> PRT
<213> Homo sapiens

<400> 5164
Met Ser Gly Leu Ala Ala Thr Thr Phe His Trp Lys Lys Cys Arg Leu
1 5 10 15
Asp Leu Pro Gly His Val Ala Leu Gln Ala Cys Lys Arg Leu Pro Asp
20 25 30
Glu His Asn Asp Val Gln Lys Lys Thr Phe Thr Lys Trp Ile Asn Ala
35 40 45
Arg Phe Ser Lys Ser Gly Lys Pro Pro Ile Asn Asp Met Phe Thr Asp
50 55 60
Leu Lys Asp Gly Arg Lys Leu Leu Asp Leu Leu Glu Gly Leu Thr Gly
65 70 75 80
Thr Ser Leu Pro Lys Glu Arg Gly Ser Thr Arg Val His Ala Leu Asn
85 90 95
Asn Val Asn Arg Val Leu Gln Val Leu His Gln Asn
100 105

<210> 5165
<211> 198
<212> PRT
<213> Homo sapiens

<400> 5165
Met Ser Asp Glu Phe Ser Leu Ala Asp Ala Leu Pro Glu His Ser Pro
1 5 10 15
Ala Lys Thr Ser Ala Val Ser Asn Thr Lys Xaa Gly Gln Pro Pro Gln
20 25 30
Gly Trp Pro Gly Ser Asn Pro Trp Asn Asn Pro Ser Ala Pro Ser Ser
35 40 45
Val Pro Ser Gly Leu Pro Pro Ser Ala Xaa Pro Ser Thr Val Pro Phe
50 55 60
Gly Pro
65

<210> 5166
<211> 363
<212> PRT
<213> Homo sapiens

<400> 5166
Met Gln Ser Asn Lys Thr Phe Asn Leu Glu Lys Gln Asn His Thr Pro
1 5 10 15
Arg Lys His His Gln His His His Gln Gln Gln His His Gln Gln Gln
20 25 30
Gln Gln Gln Pro Pro Pro Pro Pro Ile Pro Ala Asn Gly Gln Gln Ala

35 40 45
 Ser Ser Gln Asn Glu Gly Leu Thr Ile Asp Leu Lys Asn Phe Arg Lys
 50 55 60
 Pro Gly Glu Lys Thr Phe Thr Gln Arg Ser Arg Leu Phe Val Gly Asn
 65 70 75 80
 Leu Pro Pro Asp Ile Thr Glu Glu Glu Met Arg Xaa Leu Phe Glu Lys
 85 90 95
 Tyr Gly Lys Ala Gly Glu Val Xaa Ile His Lys Xaa Lys Gly Phe Gly
 100 105 110
 Xaa Ile Arg Leu Glu Thr Arg Thr Leu
 115 120

<210> 5167
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 5167
 Met Gln Ser Asn Lys Thr Phe Asn Leu Glu Lys Gln Asn His Thr Pro
 1 5 10 15
 Arg Lys His His Gln His His His Gln Gln Gln His His Gln Gln Gln
 20 25 30
 Gln Gln Gln Pro Pro Xaa Xaa Pro Ile Pro Ala Asn Gly Gln Gln Ala
 35 40 45
 Ser Ser Gln Asn Glu Gly Leu Thr Ile Asp Leu Lys Asn Phe Arg Lys
 50 55 60
 Pro Gly Glu Lys Thr Phe Thr Gln Arg Ser Arg Leu Phe Val Gly Asn
 65 70 75 80
 Leu Pro Pro Asp Ile Thr Glu Glu Glu Met Arg Xaa Leu Phe Glu Lys
 85 90 95
 Tyr Gly Lys Ala Gly Glu Val Xaa Ile His Lys Xaa Lys Gly Phe Gly
 100 105 110
 Xaa Ile Arg Leu Glu Thr Arg Thr Leu
 115 120

<210> 5168
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 5168
 Met Gln Ser Asn Lys Thr Phe Asn Leu Glu Lys Gln Asn His Thr Pro
 1 5 10 15
 Arg Lys His His Gln His His His Gln Gln Gln His His Gln Gln Gln
 20 25 30
 Gln Gln Gln Pro Pro Pro Pro Pro Ile Pro Ala Asn Gly Gln Gln Ala
 35 40 45
 Ser Ser Gln Asn Glu Gly Leu Thr Ile Asp Leu Lys Asn Phe Arg Lys
 50 55 60
 Pro Gly Glu Lys Thr Phe Thr Gln Arg Ser Arg Leu Phe Val Gly Asn
 65 70 75 80
 Leu Pro Pro Asp Ile Thr Glu Glu Glu Met Arg Xaa Leu Phe Glu Lys
 85 90 95
 Tyr Gly Lys Ala Gly Glu Val Xaa Ile His Lys Xaa Lys Gly Phe Gly

100 105 110
Xaa Ile Arg Leu Glu Thr Arg Thr Leu
115 120

<210> 5169
<211> 363
<212> PRT
<213> Homo sapiens

<400> 5169
Met Gln Ser Asn Lys Thr Phe Asn Leu Glu Lys Gln Asn His Thr Pro
1 5 10 15
Arg Lys His His Gln His His His Gln Gln Gln His His Gln Gln Gln
20 25 30
Gln Gln Gln Pro Pro Pro Pro Pro Ile Pro Ala Asn Gly Gln Gln Ala
35 40 45
Ser Ser Gln Asn Glu Gly Leu Thr Ile Asp Leu Lys Asn Phe Arg Lys
50 55 60
Pro Gly Glu Lys Thr Phe Thr Gln Arg Ser Arg Leu Phe Val Gly Asn
65 70 75 80
Leu Pro Pro Asp Ile Thr Glu Glu Glu Met Arg Xaa Leu Phe Glu Lys
85 90 95
Tyr Gly Lys Ala Gly Glu Val Xaa Ile His Lys Xaa Lys Gly Phe Gly
100 105 110
Xaa Ile Arg Leu Glu Thr Arg Thr Leu
115 120

<210> 5170
<211> 363
<212> PRT
<213> Homo sapiens

<400> 5170
Met Gln Ser Asn Lys Thr Phe Asn Leu Glu Lys Gln Asn His Thr Pro
1 5 10 15
Arg Lys His His Gln His His His Gln Gln Gln His His Gln Gln Gln
20 25 30
Gln Gln Gln Pro Pro Pro Pro Pro Ile Pro Ala Asn Gly Gln Gln Ala
35 40 45
Ser Ser Gln Asn Glu Gly Leu Thr Ile Asp Leu Lys Asn Phe Arg Lys
50 55 60
Pro Gly Glu Lys Thr Phe Thr Gln Arg Ser Arg Leu Phe Val Gly Asn
65 70 75 80
Leu Pro Pro Asp Ile Thr Glu Glu Glu Met Arg Xaa Leu Phe Glu Lys
85 90 95
Tyr Gly Lys Ala Gly Glu Val Xaa Ile His Lys Xaa Lys Gly Phe Gly
100 105 110
Xaa Ile Arg Leu Glu Thr Arg Thr Leu
115 120

<210> 5171
<211> 693
<212> PRT
<213> Homo sapiens

<400> 5171

Met	Ala	Gly	Asn	Ile	Ile	Pro	Ala	Ile	Ala	Thr	Thr	Asn	Ala	Val	Ile
1				5					10					15	
Ala	Gly	Leu	Ile	Val	Xaa	Glu	Gly	Leu	Lys	Ile	Leu	Ser	Gly	Lys	Ile
			20					25					30		
Asp	Gln	Cys	Arg	Thr	Ile	Phe	Leu	Asn	Lys	Gln	Pro	Asn	Pro	Arg	Lys
		35					40					45			
Lys	Leu	Leu	Val	Pro	Cys	Ala	Leu	Asp	Pro	Pro	Asn	Pro	Asn	Cys	Tyr
	50					55					60				
Val	Cys	Ala	Ser	Lys	Pro	Glu	Val	Thr	Val	Arg	Leu	Asn	Val	His	Lys
65					70					75				80	
Val	Thr	Val	Leu	Thr	Leu	Gln	Asp	Lys	Ile	Val	Lys	Glu	Lys	Phe	Ala
				85					90					95	
Met	Val	Ala	Pro	Asp	Val	Gln	Ile	Glu	Asp	Gly	Lys	Gly	Thr	Ile	Leu
			100					105					110		
Ile	Ser	Ser	Glu	Glu	Gly	Glu	Thr	Glu	Ala	Asn	Asn	His	Lys	Lys	Leu
		115					120					125			
Ser	Glu	Phe	Gly	Ile	Arg	Asn	Gly	Ser	Arg	Leu	Gln	Ala	Asp	Asp	Phe
	130					135					140				
Leu	Gln	Asp	Tyr	Thr	Leu	Leu	Ile	Asn	Ile	Leu	His	Ser	Glu	Asp	Leu
145					150					155				160	
Gly	Lys	Asp	Val	Glu	Phe	Glu	Val	Val	Gly	Asp	Ala	Pro	Glu	Lys	Val
				165					170					175	
Gly	Pro	Lys	Gln	Ala	Glu	Asp	Ala	Ala	Lys	Ser	Ile	Thr	Asn	Gly	Ser
			180				185						190		
Asp	Asp	Gly	Ala	Gln	Pro	Ser	Thr	Ser	Thr	Ala	Gln	Glu	Gln	Asp	Asp
		195					200					205			
Val	Leu	Ile	Val	Asp	Ser	Asp	Glu	Glu	Asp	Ser	Ser	Asn	Asn	Ala	Asp
	210					215						220			
Val	Ser	Glu	Glu	Glu	Arg	Ser									
225					230										

<210> 5172

<211> 177

<212> PRT

<213> Homo sapiens

<400> 5172

Met	Lys	Ile	Phe	Cys	Ser	Arg	Ala	Asn	Pro	Thr	Thr	Gly	Ser	Val	Glu
1				5					10					15	
Trp	Leu	Glu	Glu	Asp	Glu	His	Tyr	Asp	Tyr	His	Gln	Glu	Ile	Ala	Arg
			20					25					30		
Ser	Ser	Tyr	Ala	Asp	Met	Leu	His	Xaa	Lys	Asp	Arg	Xaa	Val	Lys	Tyr
		35					40					45			
Tyr	Gln	Gly	Ile	Arg	Ala	Ala	Val	Xaa	Arg	Glu					
	50					55									

<210> 5173

<211> 297

<212> PRT

<213> Homo sapiens

<400> 5173

Met Asp Met Gly Asn Gln His Pro Ser Ile Ser Arg Leu Gln Glu Ile
 1 5 10 15
 Gln Lys Glu Val Lys Ser Val Glu Gln Val Ile Gly Phe Ser Gly
 20 25 30
 Leu Ser Asp Asp Lys Asn Tyr Lys Lys Leu Glu Arg Ile Leu Thr Lys
 35 40 45
 Gln Leu Phe Glu Ile Asp Ser Val Asp Thr Glu Gly Lys Gly Asp Ile
 50 55 60
 Gln Gln Ala Arg Lys Arg Ala Ala Gln Glu Thr Glu Arg Leu Leu Lys
 65 70 75 80
 Glu Leu Glu Gln Asn Ala Asn His Pro His Arg Ile Glu Ile Gln Asn
 85 90 95
 Ile Phe Glu

<210> 5174
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 5174
 Met Met Thr Lys His Lys Lys Cys Phe Ile Ile Val Gly Val Leu Ile
 1 5 10 15
 Thr Thr Asn Ile Ile Thr Leu Ile Val Lys Leu Thr Arg Asp Ser Gln
 20 25 30
 Ser Leu Cys Pro Tyr Asp Trp Ile Gly Phe Gln Asn Lys Cys Tyr Tyr
 35 40 45
 Phe Ser Lys Glu Glu Gly Asp Trp Xaa Ser Ser Lys Tyr Asn Cys Ser
 50 55 60
 Thr Gln His
 65

<210> 5175
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 5175
 Met Ala Ala Leu Gly Val Leu Glu Ser Asp Leu Pro Ser Ala Val Thr
 1 5 10 15
 Leu Leu Lys Asn Leu Gln Glu Gln Val Met Ala Val Thr Ala Gln Val
 20 25 30
 Lys Ser Leu Thr Gln Lys Val Gln Ala Gly Ala Tyr Pro Thr Glu Lys
 35 40 45
 Gly Leu Ser Phe Leu Glu Val Lys Asp Gln Leu Leu Leu Met Tyr Leu
 50 55 60
 Met Asp Leu Thr His Leu Ile Leu Asp Lys Ala Ser Gly Gly Ser Leu
 65 70 75 80
 Gln Gly His Asp Ala Val Leu Arg Leu Val Glu Ile Arg Thr Val Leu
 85 90 95
 Glu Lys Leu Arg Pro Leu Asp Gln Lys Leu Lys Tyr Gln Xaa Asp Lys
 100 105 110
 Leu Ile Lys Thr Ala Val
 115

<210> 5176
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5176
 Met Ser Glu Glu Thr Arg Gln Ser Lys Leu Ala Ala Ala Lys Lys Lys
 1 5 10 15
 Leu Arg Glu Tyr Gln Gln Xaa Asn Ser Pro Gly Val Pro Thr Gly Ala
 20 25 30
 Lys Lys Lys Lys Lys Ile Lys Asn Gly Ser Asn Pro Glu Thr Thr Thr
 35 40 45
 Ser Gly Gly Cys His Ser Pro Glu Asp Val Ser Leu Gly Trp Pro Gly
 50 55 60
 Ser Trp Gly Gln Gly Ala Gln Gly Ala Val
 65 70

<210> 5177
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 5177
 Met Ala Thr Gly Gln Lys Leu Met Arg Ala Val Arg Val Phe Glu Phe
 1 5 10 15
 Gly Gly Pro Glu Val Leu Lys Leu Arg Ser Asp Ile Ala Val Pro Ile
 20 25 30
 Pro Lys Asp His Gln Val Leu Ile Lys Val His Ala Cys Gly Val Asn
 35 40 45
 Pro Val Glu Thr Tyr Ile Arg Ser Gly Xaa Tyr Ser Arg Lys Pro Leu
 50 55 60
 Leu Pro Tyr Thr Pro Gly Ser Asp Val Ala Gly Val Ile Glu Ala Val
 65 70 75 80
 Gly Asp Asn Ala Ser Ala Phe Lys Lys Gly Asp Arg Val Phe Thr Ser
 85 90 95
 Ser Thr Ile Ser Gly Gly Tyr Ala Glu Tyr Ala Leu Ala Ala Asp His
 100 105 110
 Thr Val Tyr Lys Leu
 115

<210> 5178
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 5178
 Met Val Gln Lys Lys Leu Glu Glu Leu Gln Ser Met Lys Gln His Leu
 1 5 10 15
 Leu Phe Gln Gln Glu Glu Glu Arg Gln Ala Gln Phe Met Met Arg Gln
 20 25 30
 Glu Thr Leu Ala Gln Gln Gln Leu Gln Leu Glu Gln Ile Gln Gln Leu
 35 40 45
 Gln Gln Gln Leu His Gln Gln Leu Glu Glu Gln Lys Ile Arg Gln Ile
 50 55 60

Tyr Gln Tyr Asn Tyr Asp Pro Ser Gly Thr Ala Ser Pro Gln
 65 70 75

<210> 5179
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 5179
 Met Glu Thr Val Gln Leu Arg Asn Pro Pro Arg Arg Gln Leu Lys Lys
 1 5 10 15
 Leu Asp Glu Asp Ser Leu Thr Lys Gln Pro Glu Glu Val Phe Asp Val
 20 25 30
 Leu Glu Lys Leu Gly Glu Gly Ser Tyr Gly Ser Val Tyr Lys Ala Ile
 35 40 45
 His Lys Glu
 50

<210> 5180
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 5180
 Met Trp Ser Glu Gly Arg Tyr Glu Tyr Glu Arg Ile Pro Arg Glu Arg
 1 5 10 15
 Ala Pro Pro Arg Ser His Pro Ser Asp Gly Tyr Asn Arg Leu Val Asn
 20 25 30
 Ile Val Pro Lys Lys Pro Pro Leu Leu Asp Arg Pro Gly Glu Gly Ser
 35 40 45
 Tyr Asn Arg Tyr Tyr Ser His Val Ile Thr Glu Thr Met Thr Arg Ala
 50 55 60
 Ala Val Phe Leu Met Ile Glu Glu Val Val His Leu Thr Glu Glu Met
 65 70 75 80
 Asn Leu Val

<210> 5181
 <211> 441
 <212> PRT
 <213> Homo sapiens

<400> 5181
 Met Pro Ser Lys Gly Pro Leu Gln Ser Val Gln Val Phe Gly Arg Lys
 1 5 10 15
 Lys Thr Ala Thr Ala Val Ala His Cys Lys Arg Gly Asn Gly Leu Ile
 20 25 30
 Lys Val Asn Gly Arg Pro Leu Glu Met Ile Glu Pro Arg Thr Leu Gln
 35 40 45
 Tyr Lys Leu Leu Glu Pro Val Leu Leu Leu Gly Lys Glu Arg Phe Ala
 50 55 60
 Gly Val Asp Ile Arg Val Arg Val Lys Gly Gly Gly His Val Ala Gln
 65 70 75 80
 Ile Tyr Ala Ile Arg Gln Ser Ile Ser Lys Ala Leu Val Ala Tyr Tyr
 85 90 95

Gln Lys Tyr Val Asp Glu Ala Ser Lys Lys Glu Ile Lys Asp Ile Leu
 100 105 110
 Ile Gln Tyr Asp Arg Thr Leu Leu Val Ala Asp Pro Arg Arg Cys Glu
 115 120 125
 Ser Lys Lys Phe Gly Gly Leu Val Pro Ala Leu Ala Thr Arg Asn Pro
 130 135 140
 Thr Asp Lys
 145

<210> 5182
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 5182
 Met Ala Cys Ala Ala Ala Arg Ser Pro Ala Asp Gln Asp Arg Phe Ile
 1 5 10 15
 Cys Ile Tyr Pro Ala Tyr Leu Asn Asn Lys Lys Thr Ile Ala Glu Gly
 20 25 30
 Arg Arg Ile Pro Ile Ser Lys Ala Val Glu Asn Pro Thr Ala Thr Glu
 35 40 45
 Ile Gln Asp Val Cys Ser Ala Val Gly Leu Asn Val Phe Leu Glu Lys
 50 55 60
 Asn Lys Met Tyr Ser Arg Glu Trp Asn Arg Asp Val Gln Tyr Arg Gly
 65 70 75 80
 Arg Val Arg Val Gln Leu Lys Gln Glu Asp Gly Ser Leu Cys Leu Val
 85 90 95
 Gln Phe Pro Ser Arg Lys Ser Val Met Leu Tyr Ala Ala Glu Met Ile
 100 105 110
 Pro

<210> 5183
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 5183
 Met Arg Gly Asp Arg Gly Arg Gly Arg Gly Arg Phe Gly Ser Arg
 1 5 10 15
 Gly Gly Pro Gly Gly Gly Phe Arg Pro Phe Val Pro His Ile Pro Phe
 20 25 30
 Asp Phe Tyr Leu Cys Glu Met Ala Phe Pro Arg Val Lys Pro Ala Pro
 35 40 45
 Asp Glu Thr Ser Phe Ser Glu Ala Leu Leu Lys Arg Asn Gln Asp Leu
 50 55 60
 Ala Pro Asn Ser Ala Glu Gln Ala Ser Ile Leu Ser Leu Val Thr Lys
 65 70 75 80
 Ile Asn Asn Val Ile Asp Asn Leu Ile Val Ala Pro Gly Thr Phe Glu
 85 90 95
 Val Gln Ile Xaa Glu Val Arg Gln Val Gly Pro Ile
 100 105

<210> 5184
 <211> 288

<212> PRT
<213> Homo sapiens

<400> 5184

Met	Ala	Asn	Leu	Asp	Lys	Tyr	Thr	Glu	Thr	Phe	Lys	Met	Gly	Ser	Asn
1			5					10					15		
Ser	Thr	Ser	Thr	Ala	Glu	Ile	Tyr	Cys	Asn	Val	Thr	Asn	Val	Lys	Phe
		20					25					30			
Gln	Tyr	Ser	Leu	Tyr	Ala	Thr	Thr	Tyr	Ile	Leu	Ile	Phe	Ile	Pro	Gly
	35					40					45				
Leu	Leu	Ala	Asn	Ser	Ala	Ala	Leu	Trp	Val	Leu	Cys	Arg	Phe	Ile	Ser
	50				55					60					
Lys	Lys	Asn	Lys	Ala	Ile	Ile	Phe	Met	Ile	Asn	Leu	Ser	Val	Ala	Asp
65			70					75						80	
Leu	Ala	His	Val	Leu	Ser	Leu	Pro	Leu	Arg	Ile	Tyr	Tyr	Tyr	Ile	Ser
			85					90						95	

<210> 5185
<211> 207
<212> PRT
<213> Homo sapiens

<400> 5185

Met	Gly	Asn	Phe	Arg	Gly	His	Ala	Leu	Pro	Gly	Thr	Phe	Phe	Phe	Ile
1			5					10					15		
Ile	Gly	Leu	Trp	Trp	Cys	Thr	Lys	Ser	Ile	Leu	Lys	Tyr	Ile	Cys	Lys
		20					25					30			
Lys	Gln	Lys	Arg	Thr	Cys	Tyr	Leu	Gly	Ser	Lys	Thr	Leu	Phe	Tyr	Arg
	35					40					45				
Leu	Glu	Ile	Leu	Glu	Gly	Ile	Thr	Ile	Val	Gly	Met	Ala	Leu	Thr	Gly
	50					55					60				
Met	Ala	Gly	Glu	Gln											
65															

<210> 5186
<211> 420
<212> PRT
<213> Homo sapiens

<400> 5186

Met	Ser	Gly	Glu	Ser	Ala	Arg	Ser	Leu	Gly	Lys	Gly	Ser	Ala	Pro	Pro
1			5					10					15		
Gly	Pro	Val	Pro	Glu	Xaa	Ser	Ile	Arg	Ile	Tyr	Ser	Met	Arg	Phe	Cys
		20					25					30			
Pro	Phe	Ala	Glu	Arg	Thr	Arg	Leu	Val	Leu	Lys	Ala	Lys	Gly	Ile	Arg
	35					40					45				
His	Glu	Val	Ile	Asn	Ile	Asn	Leu	Lys	Asn	Lys	Pro	Glu	Trp	Phe	Phe
	50				55					60					
Lys	Lys	Asn	Pro	Phe	Gly	Leu	Val	Pro	Val	Leu	Glu	Asn	Ser	Gln	Gly
65			70					75						80	
Gln	Leu	Ile	Tyr	Glu	Ser	Ala	Ile	Thr	Cys	Glu	Tyr	Leu	Asp	Glu	Ala
			85					90					95		
Tyr	Pro	Gly	Lys	Lys	Leu	Leu	Pro	Asp	Asp	Pro	Tyr	Glu	Lys	Ala	Cys
			100					105					110		

Gln Lys Met Ile Leu Glu Leu Phe Ser Lys Val Pro Ser Leu Val Gly
 115 120 125
 Ser Phe Ile Arg Ser Xaa Asn Xaa Glu Asp Tyr Asp
 130 135 140

<210> 5187
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 5187
 Met Thr Leu Lys Ile Ser Ser Thr Thr Ile Thr Leu Glu Gly Arg Arg
 1 5 10 15
 Arg Thr Phe His Val Trp Arg Ala Cys Glu Cys Thr Arg Trp Lys Glu
 20 25 30
 Arg Leu Glu His Pro Gly Ile Ile Thr Pro Ile Val Leu Leu Met Glu
 35 40 45
 Ile Ser Lys Asp Gly Ser Ile Leu Leu Val Gly Val Gln Val Cys Gly
 50 55 60
 Thr Val Pro Arg Gly Leu Thr His Thr
 65 70

<210> 5188
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 5188
 Met Lys Lys Ile Ser Leu Lys Thr Leu Arg Lys Ser Phe Asn Leu Asn
 1 5 10 15
 Lys Ser Lys Glu Glu Thr Asp Phe Met Val Val Gln Gln Pro Ser Leu
 20 25 30
 Ala Ser Asp Phe Gly Lys Asp Asp Ser Leu Phe Gly Ser Cys Tyr Gly
 35 40 45
 Lys Asp Met Ala Ser Cys Asp Ile Asn Gly Glu Asp Glu Xaa Gly Gly
 50 55 60
 Lys Asn Arg Ser
 65

<210> 5189
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5189
 Met Asn Glu Glu Glu Gln Phe Val Asn Ile Asp Leu Asn Asp Asp Asn
 1 5 10 15
 Ile Cys Ser Val Cys Lys Leu Gly Thr Asp Lys Glu Thr Leu Ser Phe
 20 25 30
 Cys His Ile Cys Phe Glu Leu Asn Ile Glu Gly Val Pro Lys Ser Asp
 35 40 45
 Leu Leu His Thr Lys Ser Leu Arg Gly His Lys Asp Cys Phe Glu Lys
 50 55 60
 Tyr His Leu Ile Ala Asn Gln Gly Cys Pro Arg Ser Lys Leu Ser Lys

65 70 75 80
 Ser Thr Tyr Glu Glu Val Lys Thr Ile Leu Ser Lys Lys Ile Asn Trp
 85 90 95
 Ile Val Gln Tyr Ala Gln Asn Lys
 100

<210> 5190
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5190
 Met Ser Ser Leu Ser Glu Tyr Ala Phe Arg Met Ser Arg Leu Ser Ala
 1 5 10 15
 Arg Leu Phe Gly Glu Val Thr Arg Pro Thr Asn Ser Lys Ser Met Lys
 20 25 30
 Val Val Lys Leu Phe Ser Glu Leu Pro Leu Ala Lys Lys Lys Glu Thr
 35 40 45
 Tyr Asp Trp Tyr Pro Asn His His Thr Tyr Ala Glu Leu Met Gln Thr
 50 55 60
 Leu Arg Phe Leu Gly Leu Tyr Arg Asp Glu
 65 70

<210> 5191
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 5191
 Met Ser Ser Leu Ser Glu Tyr Ala Phe Arg Met Ser Arg Leu Ser Ala
 1 5 10 15
 Arg Leu Phe Gly Glu Val Thr Arg Pro Thr Asn Ser Lys Ser Met Lys
 20 25 30
 Val Val Lys Leu Phe Ser Glu Leu Pro Leu Ala Lys Lys Lys Glu Thr
 35 40 45
 Tyr Asp Trp Tyr Pro Asn His His Thr Tyr Ala Glu Leu Met Gln Thr
 50 55 60
 Leu Arg Phe Leu Gly Leu Tyr Arg Asp Glu His Gln Asp Phe Met Asp
 65 70 75 80
 Glu Gln Lys

<210> 5192
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 5192
 Met Ala Gly Ile Leu Arg Leu Val Val Gln Trp Pro Pro Gly Arg Leu
 1 5 10 15
 Gln Thr Val Thr Lys Gly Val Glu Ser Leu Ile Cys Thr Asp Trp Ile
 20 25 30
 Arg His Lys Phe Thr Arg Ser Arg Ile Pro Glu Lys Val Phe Gln Ala
 35 40 45
 Ser Pro Glu Asp His Glu Lys Tyr Gly Gly Asp Pro Gln Asn Pro His

50 55 60
 Lys Leu His Ile Val Thr Arg Ile Lys
 65 70

<210> 5193
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 5193
 Met Pro Glu Ser Leu Leu Gly Trp Phe Glu Pro Val Val Cys Thr Leu
 1 5 10 15
 Arg Met Lys Asn Thr Arg His Leu Ser Leu His Pro Ile Lys Ser Tyr
 20 25 30
 Leu Gly Leu Leu Ile Glu Leu Arg Ala Ser His Arg Ser Pro Asp Ser
 35 40 45
 Phe Phe Ser Arg Cys His Phe Asn Arg Phe Cys Asn Pro Ser Asp Thr
 50 55 60
 Ser
 65

<210> 5194
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 5194
 Met Leu Ser Ala Cys Asn Leu Leu Lys Asn Thr Ile Asn Asp Pro Lys
 1 5 10 15
 Ala Leu Thr Ser Lys Asp Met Arg Phe Cys Leu Asn Thr Leu Gln His
 20 25 30
 Glu Trp Phe Arg Val Ser Ser Gln Lys Ser Ala Ile Pro Ala Met Val
 35 40 45
 Gly Asp Tyr Ile Ala Ala Phe Glu Ala Ile Ser Pro Asp Val Leu Arg
 50 55 60
 Tyr Val Ile Asn Leu Ala Asp Gly Asn Gly Asn Thr Ala Leu His Tyr
 65 70 75 80
 Ser Val Ser His Ser Asn Phe Glu Ile Val Lys Leu Leu Leu Asp Ala
 85 90 95
 Asp Val Cys Asn Val Asp His Gln Asn Lys Ala Gly Tyr Thr
 100 105 110

<210> 5195
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 5195
 Met Ala Thr Arg Asn Pro Pro Pro Gln Asp Tyr Glu Ser Asp Asp Asp
 1 5 10 15
 Ser Tyr Glu Val Leu Asp Leu Thr Glu Tyr Ala Arg Arg His Gln Trp
 20 25 30
 Trp Asn Arg Val Phe Gly His Ser Ser Gly Pro Met Val Glu Lys Tyr
 35 40 45

Ser Val Ala Thr Gln Ile Val Met Gly Gly Val Thr Gly Trp Cys Ala
 50 55 60
 Gly Phe Leu Phe Gln Lys Val Gly Lys Leu Ala Ala Thr Ala Val Gly
 65 70 75 80
 Gly Gly Phe Leu Leu Leu Gln Ile Ala Ser His Ser Gly Tyr Val Gln
 85 90 95
 Ile Asp Trp Lys Arg Val Glu Lys Asp Val Asn Lys Ala Lys Arg Gln
 100 105 110
 Ile Lys Lys Arg Xaa Asn Lys Ala Ala
 115 120

<210> 5196
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 5196
 Met Ala Ala Asn Ser Ser Gly Gln Gly Phe Gln Asn Lys Asn Arg Val
 1 5 10 15
 Ala Ile Leu Ala Glu Leu Thr Lys Arg Lys Glu Asn Tyr Leu Cys Arg
 20 25 30
 Thr Ser Leu Gln Gln Ile Ile Leu Glu Leu Gly Ile Asp Thr Ile Met
 35 40 45
 Trp Val Xaa Cys Xaa Phe Cys Phe Val Leu Phe Cys Phe Glu Thr Glu
 50 55 60
 Ser Arg Pro Val
 65

<210> 5197
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 5197
 Met His Asp Phe Tyr Arg Cys His Thr Cys Asn Thr Thr Asp Arg Asn
 1 5 10 15
 Ala Ile Cys Val Asn Cys Ile Lys Lys Cys His Gln Gly His Asp Val
 20 25 30
 Glu Phe Ile Arg His Asp Arg Phe Phe Cys Asp Cys Gly Ala Gly Thr
 35 40 45
 Leu Ser Asn Pro Cys Thr Leu Ala Gly Glu Pro Thr His Asp Thr Asp
 50 55 60
 Thr Leu Tyr Asp Ser
 65

<210> 5198
 <211> 414
 <212> PRT
 <213> Homo sapiens

<400> 5198
 Met Trp Ser Leu Gly Cys Ile Thr Ala Glu Leu Tyr Thr Gly Tyr Pro
 1 5 10 15
 Leu Phe Pro Gly Glu Asn Glu Val Glu Gln Leu Ala Cys Ile Met Glu

	20		25		30										
Val	Leu	Gly	Leu	Pro	Pro	Ala	Gly	Phe	Ile	Gln	Thr	Ala	Ser	Arg	Arg
	35		40		45										
Gln	Thr	Phe	Phe	Asp	Ser	Lys	Gly	Phe	Pro	Lys	Asn	Ile	Thr	Asn	Asn
	50		55		60										
Arg	Gly	Lys	Lys	Arg	Tyr	Pro	Asp	Ser	Lys	Asp	Leu	Thr	Met	Val	Leu
65			70		75		80								
Lys	Thr	Tyr	Asp	Thr	Ser	Phe	Leu	Asp	Phe	Leu	Arg	Arg	Cys	Leu	Val
		85			90		95								
Trp	Glu	Pro	Ser	Leu	Arg	Met	Thr	Pro	Asp	Gln	Ala	Leu	Lys	His	Ala
	100		105		110										
Trp	Ile	His	Gln	Ser	Arg	Asn	Leu	Lys	Pro	Gln	Pro	Arg	Pro	Gln	Thr
	115		120		125										
Leu	Arg	Lys	Ser	Asn	Ser	Phe	Phe	Pro	Ser						
	130		135												

<210> 5199
 <211> 201
 <212> PRT
 <213> Homo sapiens

	20		25		30										
Met	Leu	Ile	Ser	Val	Thr	Asn	Leu	Gly	Cys	Thr	Val	Leu	Leu	Tyr	Val
1		5		10		15									
Ser	Phe	Val	Glu	Ile	Phe	Lys	Asn	Ile	Ser	Ile	Thr	Phe	Pro	Leu	Lys
	20		25		30										
Ser	Gly	Glu	Ser	Leu	Leu	Asp	Asp	Trp	Pro	Gly	Thr	Phe	Ser	Leu	Asn
	35		40		45										
Arg	Thr	Phe	Gly	Cys	Leu	Leu	Ser	Ser	Lys	Lys	Trp	Trp	Phe	Thr	Leu
	50		55		60										
Lys	Tyr	His													
65															

<210> 5200
 <211> 186
 <212> PRT
 <213> Homo sapiens

	20		25		30										
Met	Val	Leu	Gly	Lys	Val	Lys	Ser	Leu	Thr	Ile	Ser	Phe	Asp	Cys	Leu
1		5		10		15									
Asn	Asp	Ser	Asn	Val	Pro	Val	Tyr	Ser	Ser	Gly	Asp	Thr	Val	Ser	Gly
	20		25		30										
Arg	Val	Asn	Leu	Glu	Val	Thr	Gly	Glu	Ile	Arg	Val	Lys	Ser	Leu	Lys
	35		40		45										
Ile	Xaa	Ala	Arg	Gly	His	Ala	Lys	Val	Arg	Trp	Thr	Glu	Ser		
	50		55		60										

<210> 5201
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 5201

Met Gln Val Thr Cys Trp Leu Gln Arg Trp Ser Arg Trp Met Gly Ile
 1 5 10 15
 Ile Ala Gly Ser Lys Ala Leu Glu Tyr Ser Asn Gly Ile Phe Asp Cys
 20 25 30
 Gln Ser Pro Thr Ser Pro Phe Met Gly Ser Leu Arg Ala Leu His Leu
 35 40 45
 Val Glu Asp Leu Arg Gly Leu Leu Glu Met Met Glu Thr Asp Glu Lys
 50 55 60
 Glu Gly Leu Arg Cys Gln
 65 70

<210> 5202
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5202
 Met Gly Leu Gly His Glu Gln Gly Phe Gly Ala Pro Cys Leu Lys Cys
 1 5 10 15
 Lys Glu Lys Cys Glu Gly Phe Glu Leu His Phe Trp Arg Lys Ile Cys
 20 25 30
 Arg Asn Cys Lys Cys Gly Gln Glu Glu His Asp Val Leu Leu Ser Asn
 35 40 45
 Glu Glu Asp Arg Lys Val Gly Lys Leu Phe Glu Asp
 50 55 60

<210> 5203
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 5203
 Met Arg Glu Ile Ala Glu Ile Leu Pro Ala Gln Glu Lys Val Glu Ala
 1 5 10 15
 Arg Ile Asp Leu Lys Met Gly Lys Lys Arg Val Thr Asp His Lys Leu
 20 25 30
 Xaa Val Asp Lys Val Ile Lys Asn Ile Asn Thr Ile Ser Ser Glu Leu
 35 40 45
 Lys Lys Ile Lys Glu Leu Ser Gln Leu Leu Leu Xaa Asp Leu Ile Leu
 50 55 60
 His Phe Asn His Pro Ile Lys Thr Glu Asn Leu Ala Glu Ala Glu Arg
 65 70 75 80
 Asn Asn

<210> 5204
 <211> 426
 <212> PRT
 <213> Homo sapiens

<400> 5204
 Met Leu Arg Val Ala Trp Arg Thr Leu Ser Leu Ile Arg Thr Arg Ala
 1 5 10 15
 Val Thr Gln Val Leu Val Pro Gly Leu Pro Gly Gly Gly Ser Ala Lys
 20 25 30

Phe Pro Phe Asn Gln Trp Gly Leu Gln Pro Arg Ser Leu Leu Leu Gln
 35 40 45
 Ala Ala Arg Gly Tyr Val Val Arg Lys Pro Ala Gln Ser Arg Leu Asp
 50 55 60
 Asp Asp Pro Pro Pro Ser Thr Leu Leu Lys Asp Tyr Gln Asn Val Pro
 65 70 75 80
 Gly Ile Glu Lys Val Asp Asp Val Val Lys Arg Leu Leu Ser Leu Glu
 85 90 95
 Met Ala Asn Lys Lys Glu Met Leu Lys Ile Lys Gln Glu Gln Phe Met
 100 105 110
 Lys Lys Ile Val Ala Asn Pro Glu Asp Thr Arg Ser Leu Glu Ala Arg
 115 120 125
 Ile Ile Ala Leu Ser Val Lys Ile Arg Ser Tyr Glu Glu His
 130 135 140

<210> 5205
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 5205
 Met Val Lys Leu Ala Lys Ala Gly Lys Asn Gln Gly Asp Pro Lys Lys
 1 5 10 15
 Met Ala Pro Pro Pro Lys Glu Val Glu Glu Asp Ser Glu Asp Glu Glu
 20 25 30
 Met Ser Glu Asp Glu Glu Asp Asp Ser Ser Gly Glu Glu Val Val Ile
 35 40 45
 Pro Gln Lys Lys Gly Lys Lys Ala Ala Ala Thr Ser Ala Lys Lys Val
 50 55 60
 Val Val Ser Pro Thr Lys Lys Val Ala Val Ala Thr Pro Ala Lys Lys
 65 70 75 80
 Ala Ala Val Thr Pro Gly Lys Lys Ala Ala Thr Pro Ala Lys Lys
 85 90 95
 Thr Val Thr Pro Ala Lys
 100

<210> 5206
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 5206
 Met Gly Glu Lys Ser Glu Asn Cys Gly Val Pro Glu Asp Leu Leu Asn
 1 5 10 15
 Gly Leu Lys Val Thr Asp Thr Gln Glu Ala Glu Cys Ala Gly Pro Pro
 20 25 30
 Val Pro Asp Pro Lys Asn Gln His Ser Gln Ser Lys Leu Leu Arg Asp
 35 40 45
 Asp Glu Ala His Leu Gln Glu Asp Gln Gly Glu Glu Glu Cys Phe His
 50 55 60
 Asp Cys Ser Ala Ser Phe Glu Glu Glu Pro Gly Ala Asp Lys Val Glu
 65 70 75 80
 Asn Lys Ser Asn Glu Asp Val Asn Ser Ser Glu Leu Asp
 85 90

<210> 5207
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 5207
 Met Asn Lys Lys Lys Lys Pro Phe Leu Gly Met Pro Ala Pro Leu Gly
 1 5 10 15
 Tyr Val Pro Gly Leu Gly Arg Gly Ala Thr Gly Phe Thr Thr Arg Ser
 20 25 30
 Asp Ile Gly Pro Ala Arg Asp Ala Asn Asp Pro Val Asp Asp Arg His
 35 40 45
 Ala Pro Pro Gly Lys Arg Thr Val Gly Asp Gln Met Lys Lys Asn Gln
 50 55 60
 Ala Ala Asp Asp Asp Asp Glu Asp Leu Asn Asp Thr Asn Tyr Asp Glu
 65 70 75 80
 Phe Asn Gly Tyr Ala Gly Xaa Leu Phe Ser Ser Gly Pro Tyr Glu Lys
 85 90 95
 Asp Asp Glu Glu Ala Asp
 100

<210> 5208
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5208
 Met Gln Val Gly Gly Asn Ala Asn Ala Thr Ala Phe Phe Arg Gln His
 1 5 10 15
 Gly Cys Thr Ala Asn Asp Ala Asn Thr Lys Tyr Asn Ser Arg Ala Ala
 20 25 30
 Gln Met Tyr Arg Glu Lys Ile Arg Gln Leu Gly Ser Ala Ala Leu Ala
 35 40 45
 Arg His Gly Thr Asp Leu Trp Ile Asp Asn Met Ser Ser Xaa Val Pro
 50 55 60
 Asn His Ser Pro Glu Lys Lys Asp Ser Asp Phe Phe Thr Glu His Thr
 65 70 75 80
 Gln

<210> 5209
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 5209
 Met Glu Ser Gly Glu Arg Leu Pro Ser Ser Ala Ala Ser Ser Thr Thr
 1 5 10 15
 Pro Thr Ser Ser Ser Asp Thr Phe Cys Gly Phe Ser Ser Phe Lys Lys
 20 25 30
 Trp Pro Phe Pro Leu Glu Leu Leu His Leu Ala Leu Gln Ser Thr His
 35 40 45
 Val Asp Ile Tyr
 50

<210> 5210
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 5210
 Met Asp Ala Ser Glu Ile Trp Cys Arg Asp Ser Asp Arg Gly Ser Ser
 1 5 10 15
 Leu Arg Arg Ser Ile Pro Cys Pro Pro Ala Leu Cys Phe Val Arg Lys
 20 25 30
 Ile His Leu Arg Pro Leu Val Leu Arg Pro Thr Ser Pro Arg Xaa Ile
 35 40 45
 Ser Pro Ile Leu Asn Pro Phe Leu Ser Phe Pro Gly Arg Asp Glu Gly
 50 55 60
 Asp
 65

<210> 5211
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 5211
 Met Ser Gly Ile Gly Asn Lys Arg Ala Ala Gly Glu Pro Gly Thr Ser
 1 5 10 15
 Met Pro Pro Glu Lys Lys Ala Ala Val Glu Asp Ser Gly Thr Thr Val
 20 25 30
 Glu Thr Ile Lys Leu Gly Gly Val Ser Ser Thr Glu Glu Leu Asp Ile
 35 40 45
 Arg Thr Leu Gln Thr Lys Asn Arg Lys Leu Ala Glu Met Leu Asp Gln
 50 55 60
 Arg Gln Ala Ile Glu Asp Glu Leu Arg Glu His Ile Glu Lys Leu Glu
 65 70 75 80

<210> 5212
 <211> 450
 <212> PRT
 <213> Homo sapiens

<400> 5212
 Met Leu Leu Glu Leu Ser Glu Glu His Lys Glu His Leu Ala Phe Leu
 1 5 10 15
 Pro Gln Val Asp Ser Ala Val Val Ala Glu Phe Gly Arg Ile Ala Val
 20 25 30
 Glu Phe Leu Arg Arg Gly Ala Asn Pro Lys Ile Tyr Glu Gly Ala Ala
 35 40 45
 Arg Lys Leu Asn Val Ser Ser Asp Thr Val Gln His Gly Val Glu Gly
 50 55 60
 Leu Thr Tyr Leu Leu Thr Glu Ser Ser Lys Leu Met Ile Ser Glu Leu
 65 70 75 80
 Asp Phe Gln Asp Ser Val Phe Val Leu Gly Phe Ser Glu Glu Leu Asn
 85 90 95
 Lys Leu Leu Leu Gln Leu Tyr Leu Asp Asn Arg Lys Glu Ile Arg Thr

	100		105		110
Ile	Leu	Ser	Glu	Leu	Ala
	115		120		125
Trp	Arg	Leu	Asp	Val	Gln
	130		135		140
Leu	Pro	Val	Leu	His	Phe
145			150		

<210> 5213
 <211> 174
 <212> PRT
 <213> Homo sapiens

	<400> 5213									
Met	Ala	Gly	Gln	Ala	Phe	Arg	Lys	Phe	Leu	Pro
1			5						10	
Leu	Val	Glu	Arg	Ser	Ala	Ala	Glu	Thr	Val	Thr
			20					25		
Leu	Pro	Glu	Asn	Gly	Asp	Thr	Pro	Trp	Xaa	Arg
			35				40			
Pro	Ser	Pro	Lys	Pro	His	Ala	Ser	Leu	Pro	
			50				55			

<210> 5214
 <211> 399
 <212> PRT
 <213> Homo sapiens

	<400> 5214									
Met	Ala	Glu	Gln	Glu	Pro	Thr	Ala	Glu	Gln	Leu
1			5						10	
Glu	Asn	Glu	Glu	Asp	Glu	His	Ser	Val	Asn	Tyr
			20					25		
Lys	Ser	Ile	Gln	Glu	Ile	Gln	Glu	Leu	Asp	Lys
			35				40			
Arg	Lys	Tyr	Lys	Glu	Ala	Leu	Leu	Gly	Arg	Val
			50			55			60	
Pro	Asn	Val	Pro	Asn	Val	Val	Val	Thr	Gly	Leu
65				70					75	
Ser	Ala	Pro	Gly	Pro	Leu	Glu	Leu	Asp	Leu	Thr
			85					90		
Phe	Lys	Lys	Gln	Ser	Phe	Val	Leu	Lys	Glu	Gly
			100					105		
Lys	Ile	Ser	Phe	Arg	Val	Asn	Arg	Glu	Ile	Val
			115				120			
Ile	Gln	His	Thr	Xaa						
			130							

<210> 5215
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5215

Met Ala Asp Gly Glu Glu Pro Glu Lys Lys Arg Arg Arg Ile Glu Glu
 1 5 10 15
 Leu Leu Ala Glu Lys Met Ala Val Asp Gly Gly Cys Gly Asp Thr Gly
 20 25 30
 Asp Trp Glu Gly Arg Trp Asn His Val Lys Lys Phe Leu Glu Arg Ser
 35 40 45
 Gly Pro Phe Thr His Pro Asp Phe Glu Pro Ser Thr Glu Ser Leu Gln
 50 55 60
 Phe Leu Leu Asp Thr Cys Lys Val Leu Val Ile Gly Ala Gly Gly Leu
 65 70 75 80
 Gly Cys Glu Leu Leu Lys Asn Leu Ala Leu Ser Gly Phe Arg Gln Ile
 85 90 95
 His Val Ile Asp Met Asp Thr Ile Asp Val Ser Asn Leu Asn Arg Gln
 100 105 110
 Phe Leu Phe Arg Pro Lys Asp Ile
 115 120

<210> 5216
 <211> 633
 <212> PRT
 <213> Homo sapiens

<400> 5216
 Met Thr Thr Ile Leu Thr Tyr Pro Phe Lys Asn Leu Pro Thr Ala Ser
 1 5 10 15
 Lys Trp Ala Leu Arg Phe Ser Ile Arg Pro Leu Ser Cys Ser Ser Gln
 20 25 30
 Leu Arg Ala Ala Pro Ala Val Gln Thr Lys Thr Lys Lys Thr Leu Ala
 35 40 45
 Lys Pro Asn Ile Arg Asn Val Val Val Val Asp Gly Val Arg Thr Pro
 50 55 60
 Phe Leu Leu Ser Gly Thr Ser Tyr Lys Asp Leu Met Pro His Asp Leu
 65 70 75 80
 Ala Arg Ala Ala Leu Thr Gly Leu Leu His Arg Thr Ser Val Pro Lys
 85 90 95
 Glu Val Val Asp Tyr Xaa Ile Phe Gly Thr Val Ile Gln Glu Val Lys
 100 105 110
 Thr Ser Asn Val Ala Arg Glu Ala Ala Leu Gly Ala Gly Phe Ser Asp
 115 120 125
 Lys Thr Pro Ala His Thr Val Thr Met Ala Cys Ile Ser Ala Asn Gln
 130 135 140
 Ala Met Xaa Thr Gly Val Gly Leu Ile Ala Ser Gly Gln Cys Asp Val
 145 150 155 160
 Ile Val Ala Gly Gly Val Glu Leu Met Ser Asp Val Pro Ile Arg His
 165 170 175
 Ser Arg Lys Met Arg Lys Leu Met Leu Asp Leu Asn Lys Ala Lys Ser
 180 185 190
 Met Gly Gln Arg Leu Ser Leu Ile Ser Lys Phe Arg Phe Lys Cys Leu
 195 200 205
 Ala Pro Glu
 210

<210> 5217
 <211> 165

<212> PRT
<213> Homo sapiens

<400> 5217
Met Gly Gln Gly His Ile Pro Phe Pro Arg Ala Pro Ile Gly Cys Pro
1 5 10 15
Pro Cys Pro Gly Val Trp Gly Pro Gly Ser Gly Ala Glu Arg Ala His
20 25 30
Ser Gly Leu Gly Asp Ala Val Cys Pro His Arg Ser Ala Pro Gly Ala
35 40 45
Gly Leu Ala Asp Ser Thr Ala
50 55

<210> 5218
<211> 303
<212> PRT
<213> Homo sapiens

<400> 5218
Met Ser Leu Lys Met Asp Asn Arg Asp Val Ala Gly Lys Ala Asn Arg
1 5 10 15
Trp Phe Gly Val Ala Pro Pro Lys Ser Gly Lys Met Asn Met Asn Ile
20 25 30
Leu His Gln Glu Glu Leu Ile Ala Gln Lys Lys Arg Glu Ile Glu Ala
35 40 45
Lys Met Glu Gln Lys Ala Lys Gln Asn Gln Val Ala Ser Pro Gln Pro
50 55 60
Pro His Pro Gly Glu Ile Thr Asn Ala His Asn Ser Xaa Cys Ile Ser
65 70 75 80
Asn Lys Phe Ala Asn Asp Gly Ser Phe Leu Gln Gln Phe Leu Lys Leu
85 90 95
Gln Lys Ala Xaa Thr
100

<210> 5219
<211> 276
<212> PRT
<213> Homo sapiens

<400> 5219
Met Asn Gly Pro Glu Asp Leu Pro Lys Ser Tyr Asp Tyr Asp Leu Ile
1 5 10 15
Ile Ile Gly Gly Gly Ser Gly Gly Leu Ala Ala Ala Lys Glu Ala Ala
20 25 30
Gln Tyr Gly Lys Lys Val Met Val Leu Asp Phe Val Thr Pro Thr Pro
35 40 45
Leu Gly Thr Arg Trp Gly Leu Gly Gly Thr Cys Val Asn Val Gly Cys
50 55 60
Ile Pro Lys Lys Leu Met His Gln Ala Ala Leu Leu Gly Gln Ala Leu
65 70 75 80
Gln Asp Ser Arg Asn Tyr Gly Trp Lys Val Glu Glu
85 90

<210> 5220

<211> 276
 <212> PRT
 <213> Homo sapiens

<400> 5220
 Met Val His Gln Asp Asn Cys Ser Tyr Gln Ala Gln Lys Asn Glu Arg
 1 5 10 15
 Glu Ser Ile Arg Gln Lys Leu Ala Leu Gly Ser Phe Phe Asp Asp Gly
 20 25 30
 Pro Gly Ile Tyr Thr Ser Cys Ser Lys Ser Gly Lys Pro Ser Leu Ser
 35 40 45
 Ser Arg Leu Gln Ser Gly Met Asn Leu Gln Ile Cys Phe Val Asn Asp
 50 55 60
 Ser Gly Ser Asp Lys Asp Ser Asp Ala Asp Asp Ser Lys Thr Glu Thr
 65 70 75 80
 Ser Leu Asp Thr Pro Leu Ser Pro Met Ser Lys Gln
 85 90

<210> 5221
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 5221
 Met Ser Asp Thr Ala Val Ala Asp Thr Arg Arg Leu Asn Ser Lys Pro
 1 5 10 15
 Gln Asp Leu Thr Asp Ala Tyr Gly Pro Pro Ser Asn Phe Leu Glu Ile
 20 25 30
 Asp Ile Phe Asn Pro Gln Thr Val Gly Val Gly Arg Ala Arg Phe Thr
 35 40 45
 Thr Tyr Glu Val Arg Met Arg Thr Asn Leu Pro Ile Phe Lys Leu Lys
 50 55 60
 Glu Ser Cys Val Arg Arg Arg Tyr Ser Asp Phe Glu Trp Leu Lys Asn
 65 70 75 80
 Glu Leu Glu Arg Asp Ser Lys Ile Val Val Pro Pro Leu Pro Gly Lys
 85 90 95
 Ala Leu Lys Arg
 100

<210> 5222
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5222
 Met Thr Asp Gln Gln Ala Glu Ala Arg Ser Tyr Leu Ser Glu Glu Met
 1 5 10 15
 Ile Ala Glu Phe Lys Ala Ala Phe Asp Met Phe Asp Ala Asp Gly Gly
 20 25 30
 Gly Asp Ile Ser Val Lys Glu Leu Gly Thr Val Met Arg Met Leu Gly
 35 40 45
 Gln Thr Pro Thr Lys Glu Glu Leu Asp Ala Ile Ile Glu Glu Val Asp
 50 55 60
 Glu Asp Gly Ser Gly Thr Ile Asp Phe Glu Glu Phe Leu Val Met Met

65 70 75 80
Val Arg Gln Met Lys Glu Asp Ala Xaa Gly Lys Ser Xaa Glu Glu Xaa
 85 90 95
Gly Val Gln Glu Lys Asn Arg Glu Gly
 100 105

<210> 5223
<211> 270
<212> PRT
<213> Homo sapiens

<400> 5223
Met Ser Ala Glu Ala Ser Ala Arg Pro Leu Arg Val Gly Ser Arg Val
1 5 10 15
Glu Val Ile Gly Lys Gly His Arg Gly Thr Val Ala Tyr Val Gly Ala
 20 25 30
Thr Leu Phe Ala Thr Gly Lys Trp Val Gly Val Ile Leu Asp Glu Ala
 35 40 45
Lys Gly Lys Asn Asp Gly Thr Val Gln Gly Arg Lys Tyr Phe Thr Cys
 50 55 60
Asp Glu Gly His Gly Ile Phe Val Arg Gln Ser Gln Ile Gln Val Phe
65 70 75 80
Glu Asp Gly Ala Asp Thr Thr Pro Gln Arg
 85 90

<210> 5224
<211> 348
<212> PRT
<213> Homo sapiens

<400> 5224
Met Lys Ile Glu Leu Ser Met Gln Pro Trp Asn Pro Gly Tyr Ser Ser
1 5 10 15
Glu Gly Ala Thr Ala Gln Glu Thr Tyr Thr Cys Pro Lys Met Ile Glu
 20 25 30
Met Glu Gln Ala Glu Ala Gln Leu Ala Glu Leu Asp Leu Leu Ala Ser
 35 40 45
Met Phe Pro Gly Glu Asn Glu Leu Ile Val Asn Asp Gln Leu Ala Val
 50 55 60
Ala Glu Leu Lys Asp Cys Ile Glu Lys Xaa Thr Met Glu Gly Arg Ser
65 70 75 80
Ser Lys Val Tyr Phe Thr Ile Asn Met Asn Leu Asp Val Ser Asp Glu
 85 90 95
Lys Met Thr Gln Lys Ile Lys Leu Glu Asn Phe Asn Ser Pro Ser
 100 105 110
Arg Arg His Ser
 115

<210> 5225
<211> 279
<212> PRT
<213> Homo sapiens

<400> 5225

Met Ala His Phe Ser Ser Glu Asp Gln Ala Met Leu Gln Ala Met Leu
 1 5 10 15
 Arg Arg Leu Phe Gln Ser Val Lys Glu Lys Ile Thr Gly Ala Pro Ser
 20 25 30
 Leu Glu Cys Ala Glu Glu Ile Leu Leu His Leu Glu Glu Thr Asp Glu
 35 40 45
 Asn Phe His Asn Tyr Glu Phe Val Lys Tyr Leu Arg Gln His Ile Gly
 50 55 60
 Asn Thr Leu Gly Ser Met Ile Xaa Glu Glu Met Glu Lys Cys Thr Ser
 65 70 75 80
 Asp Arg Asn Gln Gly Glu Glu Cys Gly Tyr Asp Thr Val
 85 90

<210> 5226
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 5226
 Met Asp Gln Gln Ala Ile Tyr Ala Glu Leu Asn Leu Pro Thr Asp Ser
 1 5 10 15
 Gly Pro Glu Ser Ser Ser Pro Ser Ser Leu Pro Arg Asp Val Cys Gln
 20 25 30
 Gly Ser Pro Trp His Gln Phe Ala Leu Lys Leu Xaa Cys Ala Gly Ile
 35 40 45
 Ile Leu Leu Val Leu Val Val Thr Gly Leu Ser Val Ser Val Thr Ser
 50 55 60
 Leu Ile Gln Lys Ser Ser Ile Glu Lys Cys Ser Val Asp Ile Gln Gln
 65 70 75 80
 Ser Arg Asn Lys Thr Thr Glu Arg Pro Gly Leu Leu Asn Cys Pro Ile
 85 90 95
 Tyr Trp Gln Gln Leu Arg Glu Lys Cys Leu Leu Phe Ser His Thr Val
 100 105 110
 Asn Pro Trp Asn Asn Ser Leu Ala Asp Cys Ser Thr Lys Glu Ser Ser
 115 120 125
 Leu Leu Leu Ile Arg
 130

<210> 5227
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5227
 Met Ala Ala Gln Lys Ile Asn Glu Gly Leu Glu His Leu Ala Lys Ala
 1 5 10 15
 Glu Lys Tyr Leu Lys Thr Gly Phe Leu Lys Trp Lys Pro Asp Tyr Asp
 20 25 30
 Ser Ala Ala Ser Glu Tyr Gly Lys Ala Ala Val Ala Phe Lys Asn Ala
 35 40 45
 Lys Gln Phe Glu Gln Ala Lys Asp Ala Cys Leu Arg Glu Ala Val Ala
 50 55 60
 His Glu Asn Asn Arg Ala Leu Phe His Ala Ala Lys Ala Tyr Glu Gln
 65 70 75 80

Ala Gly Met Met Leu Lys Glu Met Gln Lys Leu Pro Glu Ala Val Gln
85 90 95
Leu Ile Glu Lys Ala Ser Met Met Tyr Leu Glu Asn Gly Thr Pro Asp
100 105 110
Thr Ala Ala Met Ala Leu Glu Arg
115 120

<210> 5228
<211> 417
<212> PRT
<213> Homo sapiens

<400> 5228
Met Ile Lys Ala Ser Met Met Lys Asn Gln Trp Met Glu Ile Gly His
1 5 10 15
His Gln Leu His Gln Pro Ser Arg Phe Leu His Leu Lys His Pro Glu
20 25 30
Ile Leu Pro Thr Val Gln Gly Ser Leu Val Gln Gln Val Ala Leu Arg
35 40 45
Leu Glu Arg Ala Ser Lys Glu Gly Gly Ala Gly Ala Val Asp Glu Asp
50 55 60
Asp Phe Ile Lys Ala Phe Thr Asp Val Pro Ser Ile Gln Ile Tyr Ser
65 70 75 80
Ser Arg Glu Leu Glu Glu Thr Leu Asn Lys Ile Arg Glu Ile Leu Ser
85 90 95
Asp Asp Lys His Asp Trp Asp Gln Arg Ala Asn Ala Leu Lys Lys Ile
100 105 110
Arg Ser Leu Leu Val Ala Gly Ala Ala Gln Tyr Asp Cys Phe Phe Gln
115 120 125
His Leu Arg Leu Leu Asp Gly Ala Leu Lys Leu
130 135

<210> 5229
<211> 282
<212> PRT
<213> Homo sapiens

<400> 5229
Met Lys Thr Leu Glu Thr Gln Pro Leu Ala Pro Asp Cys Cys Pro Ser
1 5 10 15
Asp Gln Asp Pro Ala Pro Ala His Pro Ser Pro His Ala Ser Pro Met
20 25 30
Asn Lys Asn Ala Asp Ser Glu Leu Met Pro Pro Pro Pro Glu Arg Gly
35 40 45
Asp Pro Pro Arg Leu Ser Pro Asp Pro Val Ala Gly Ser Ala Val Ser
50 55 60
Gln Glu Leu Arg Glu Gly Asp Pro Val Ser Leu Ser Thr Pro Leu Glu
65 70 75 80
Thr Glu Phe Gly Ser Pro Ser Glu Leu Ser Pro Arg Ile Lys
85 90

<210> 5230
<211> 456
<212> PRT

004220" 666E.F.560

<213> Homo sapiens

<400> 5230

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Met Arg Pro Leu Thr Glu Glu Glu Thr Arg Val Met Phe Glu Lys Ile
1           5           10           15
Ala Lys Tyr Ile Gly Glu Asn Leu Gln Leu Leu Val Asp Arg Pro Asp
           20           25           30
Gly Thr Tyr Cys Phe Arg Leu His Asn Asp Arg Val Tyr Tyr Val Ser
           35           40           45
Glu Lys Ile Met Lys Leu Ala Ala Asn Ile Ser Gly Asp Lys Leu Val
           50           55           60
Ser Leu Gly Thr Cys Phe Gly Lys Phe Thr Lys Thr His Lys Phe Xaa
65           70           75           80
Leu His Val Thr Ala Leu Asp Tyr Leu Ala Pro Tyr Ala Lys Tyr Lys
           85           90           95
Val Trp Ile Lys Pro Gly Ala Glu Gln Ser Phe Leu Tyr Gly Asn His
           100          105          110
Val Leu Lys Ser Gly Leu Gly Arg Ile Thr Glu Asn Thr Ser Gln Tyr
           115          120          125
Gln Gly Val Val Val Tyr Ser Met Ala Asp Ile Pro Leu Gly Phe Gly
           130          135          140
Val Ala Ala Lys Ser Thr Gln Asp
145           150

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<210> 5231

<211> 210

<212> PRT

<213> Homo sapiens

<400> 5231

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Met Ile Thr Leu Asn Asn Gln Asp Gln Pro Val Pro Xaa Asn Ser Ser
1           5           10           15
His Pro Asp Glu Tyr Lys Ile Ala Ala Leu Val Phe Tyr Ser Cys Ile
           20           25           30
Phe Ile Ile Gly Leu Phe Val Asn Ile Thr Ala Leu Trp Val Phe Ser
           35           40           45
Cys Thr Thr Lys Lys Arg Thr Thr Val Thr Ile Tyr Met Met Asn Val
           50           55           60
Ala Leu Val Asp Leu Ile
65           70

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<210> 5232

<211> 282

<212> PRT

<213> Homo sapiens

<400> 5232

```

Met Leu Ser Phe Phe Arg Arg Thr Leu Gly Arg Arg Ser Met Arg Lys
1           5           10           15
His Ala Glu Lys Glu Arg Leu Arg Glu Ala Gln Arg Ala Ala Thr His
           20           25           30
Ile Pro Ala Ala Gly Asp Ser Lys Ser Ile Ile Thr Cys Arg Val Ser
           35           40           45
Leu Leu Asp Gly Thr Asp Val Ser Val Asp Leu Pro Lys Lys Ala Lys

```

50 55 60
 Gly Gln Glu Leu Phe Asp Gln Ile Met Tyr His Leu Asp Leu Ile Glu
 65 70 75 80
 Ser Asp Tyr Phe Gly Leu Arg Phe Met Asp Ser Ala Gln Val
 85 90

<210> 5233
 <211> 429
 <212> PRT
 <213> Homo sapiens

<400> 5233
 Met Leu Ser Glu Ser Ser Ser Phe Leu Lys Gly Val Met Leu Gly Ser
 1 5 10 15
 Ile Phe Cys Ala Leu Ile Thr Met Leu Gly His Ile Arg Ile Gly His
 20 25 30
 Gly Asn Arg Met His His His Glu His His His Leu Gln Ala Pro Asn
 35 40 45
 Lys Glu Asp Ile Leu Lys Ile Ser Glu Asp Glu Arg Met Glu Leu Ser
 50 55 60
 Lys Ser Phe Arg Val Tyr Cys Ile Ile Leu Val Lys Pro Lys Asp Val
 65 70 75 80
 Ser Leu Trp Ala Ala Val Lys Glu Thr Trp Thr Lys His Cys Asp Lys
 85 90 95
 Ala Glu Phe Phe Ser Ser Glu Asn Val Lys Val Phe Glu Ser Ile Asn
 100 105 110
 Met Asp Thr Asn Asp Met Trp Leu Met Met Arg Lys Leu Thr Asn Thr
 115 120 125
 Pro Leu Ile Ser Ile Glu Thr Asn Thr Thr Gly Ser Ser Leu His
 130 135 140

<210> 5234
 <211> 429
 <212> PRT
 <213> Homo sapiens

<400> 5234
 Met Leu Ser Glu Ser Ser Ser Phe Leu Lys Gly Val Met Leu Gly Ser
 1 5 10 15
 Ile Phe Cys Ala Leu Ile Thr Met Leu Gly His Ile Arg Ile Gly His
 20 25 30
 Gly Asn Arg Met His His His Glu His His His Leu Gln Ala Pro Asn
 35 40 45
 Lys Glu Asp Ile Leu Lys Ile Ser Glu Asp Glu Arg Met Glu Leu Ser
 50 55 60
 Lys Ser Phe Arg Val Tyr Cys Ile Ile Leu Val Lys Pro Lys Asp Val
 65 70 75 80
 Ser Leu Trp Ala Ala Val Lys Glu Thr Trp Thr Lys His Cys Asp Lys
 85 90 95
 Ala Glu Phe Phe Ser Ser Glu Asn Val Lys Val Phe Glu Ser Ile Asn
 100 105 110
 Met Asp Thr Asn Asp Met Trp Leu Met Met Arg Lys Leu Thr Asn Thr
 115 120 125
 Pro Leu Ile Ser Ile Glu Thr Asn Thr Thr Gly Ser Ser Leu His

130

135

140

<210> 5235

<211> 402

<212> PRT

<213> Homo sapiens

<400> 5235

Met Pro Gly Ala Arg Ser Gly Gly Ser Gly Gly Asp Gly Ser Asn Ser
 1 5 10 15
 Gly Ser Tyr Ser Gly Asp Ala Ser Gly Ala Val Thr Val Trp Glu Val
 20 25 30
 Val Ser Leu Leu Gly Lys Leu Leu Gly Thr Val Val Ala Leu Lys Val
 35 40 45
 Val Leu Tyr Leu Leu Arg Val Cys Leu Ala Met Ala Trp Lys Ser Gly
 50 55 60
 Gly Ala Ser His Ser Glu Leu Ile His Asn Leu Arg Lys Asn Gly Ile
 65 70 75 80
 Ile Lys Thr Asp Lys Val Phe Glu Val Met Leu Ala Thr Asp Arg Ser
 85 90 95
 His Tyr Ala Lys Cys Asn Pro Tyr Met Asp Ser Pro Gln Ser Ile Gly
 100 105 110
 Phe Gln Ala Thr Ile Ser Ala Pro His Met His Ala Tyr Ala Leu Glu
 115 120 125
 Leu Leu Phe Asp Gln Leu
 130

<210> 5236

<211> 165

<212> PRT

<213> Homo sapiens

<400> 5236

Met Glu Phe Gln Ala Val Val Met Ala Val Gly Gly Gly Ser Arg Met
 1 5 10 15
 Thr Asp Leu Thr Ser Ser Ile Pro Lys Pro Leu Leu Pro Val Gly Asn
 20 25 30
 Lys Pro Leu Ile Trp Tyr Pro Leu Asn Leu Leu Glu Arg Val Asp Leu
 35 40 45
 Lys Lys Ser Leu Trp Leu Gln
 50 55

<210> 5237

<211> 366

<212> PRT

<213> Homo sapiens

<400> 5237

Met Asp Lys Asp Cys Glu Met Lys Arg Thr Thr Leu Asp Ser Pro Leu
 1 5 10 15
 Gly Lys Leu Glu Leu Ser Gly Cys Glu Gln Gly Leu His Glu Ile Lys
 20 25 30
 Leu Leu Gly Lys Gly Thr Ser Ala Ala Asp Ala Val Glu Val Pro Ala
 35 40 45

Pro Ala Ala Val Leu Gly Gly Pro Glu Pro Leu Met Gln Cys Thr Ala
 50 55 60
 Trp Leu Asn Ala Tyr Phe His Gln Pro Glu Ala Ile Glu Glu Phe Pro
 65 70 75 80
 Val Pro Ala Leu His His Pro Val Phe Gln Gln Glu Ser Phe Thr Arg
 85 90 95
 Gln Val Leu Trp Lys Leu Leu Lys Val Val Lys Phe Gly Glu Val Ile
 100 105 110
 Ser Tyr Gln Gln Leu Ala Ala Xaa Ala Gly
 115 120

<210> 5238
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 5238
 Met Ala Thr Asn Glu Ser Val Ser Ile Phe Ser Ser Ala Ser Leu Ala
 1 5 10 15
 Val Glu Tyr Val Asp Ser Leu Leu Pro Glu Asn Pro Leu Gln Glu Pro
 20 25 30
 Phe Lys Asn Ala Trp Asn Tyr Met Leu Asn Asn Tyr Thr Lys Phe Gln
 35 40 45
 Ile Ala Thr Trp Gly Ser Leu Ile Val His Glu Ala Leu Tyr Phe Leu
 50 55 60
 Phe Cys Leu Pro Gly Phe Leu Phe Gln Phe Xaa Pro Tyr Met Lys Lys
 65 70 75 80
 Tyr Lys Ile Gln Lys Asp Lys Pro Glu Thr Trp Glu Asn Gln Trp Lys
 85 90 95
 Cys Phe Lys Val Leu Leu Phe Asn His Phe Cys Ile Gln Leu Pro Leu
 100 105 110
 Ile Cys Gly
 115

<210> 5239
 <211> 285
 <212> PRT
 <213> Homo sapiens

<400> 5239
 Met Ala Glu Ala Val Phe His Ala Pro Lys Arg Lys Arg Arg Val Tyr
 1 5 10 15
 Glu Thr Tyr Glu Ser Pro Leu Pro Ile Pro Phe Gly Gln Asp His Gly
 20 25 30
 Pro Leu Lys Glu Phe Lys Ile Phe Arg Ala Glu Met Ile Asn Asn Asn
 35 40 45
 Val Ile Val Arg Asn Ala Glu Asp Ile Glu Gln Leu Tyr Gly Lys Gly
 50 55 60
 Tyr Phe Gly Lys Gly Ile Leu Ser Arg Ser Arg Pro Ser Phe Thr Ile
 65 70 75 80
 Ser Asp Pro Lys Leu Val Ala Lys Trp Lys Asp Met Lys Thr Asn
 85 90 95

<210> 5240

<211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5240
 Met Ala Ala Ala Ala Pro Asp Ser Arg Val Ser Glu Glu Glu Asn Leu
 1 5 10 15
 Lys Lys Thr Pro Lys Lys Lys Met Lys Met Val Thr Gly Ala Val Ala
 20 25 30
 Ser Val Leu Glu Asp Glu Ala Thr Asp Thr Ser Asp Ser Glu Gly Ser
 35 40 45
 Cys Gly Ser Glu Lys Asp His Phe Tyr Ser Asp Asp Asp Ala Ile Glu
 50 55 60
 Ala Asp Ser Glu Gly Asp Ala Glu Pro Cys Asp Lys Glu Asn Glu Asn
 65 70 75 80
 Asp Gly Glu Ser Ser Val
 85

<210> 5241
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 5241
 Met Ala Glu Ser Glu Asn Arg Lys Glu Leu Ser Glu Ser Ser Gln Glu
 1 5 10 15
 Glu Ala Gly Asn Gln Ile Met Val Glu Gly Leu Gly Glu His Leu Glu
 20 25 30
 Arg Gly Glu Asp Ala Ala Ala Gly Leu Gly Asp Asp Gly Lys Cys Gly
 35 40 45
 Glu Glu Ala Ala Ala Gly Leu Gly Glu Glu Gly Xaa Asn Gly Glu Asp
 50 55 60
 Thr Ala Ala Gly Ser Gly Glu Asp Gly Lys Lys Xaa Gly Asp Thr Asp
 65 70 75 80
 Glu Asp

<210> 5242
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 5242
 Met Ala Ala Ser Gly Leu Asp His Leu Lys Asn Gly Tyr Arg Arg Arg
 1 5 10 15
 Phe Cys Arg Pro Ser Arg Ala Arg Asp Ile Asn Thr Glu Gln Gly Gln
 20 25 30
 Asn Val Leu Glu Ile Leu Gln Asp Cys Phe Glu Glu Lys Ser Leu Ala
 35 40 45
 Asn Asp Phe Xaa Thr Asn Ser Thr Lys Ser Val Pro Asn Ser Thr Arg
 50 55 60
 Lys Ile Lys Asp Thr Cys Ile Gln Ser Pro Ser Lys Glu Cys Arg Asn
 65 70 75 80
 His Ile Gln Ser Gln Phe Gln Phe Leu Gln Arg Arg Lys Lys Leu Ser
 85 90 95

Thr Val

<210> 5243

<211> 288

<212> PRT

<213> Homo sapiens

<400> 5243

Met Glu Ser Asp Phe Tyr Leu Arg Tyr Tyr Val Gly His Lys Gly Lys
1 5 10 15
Phe Gly His Glu Phe Leu Glu Phe Glu Phe Arg Pro Asp Gly Lys Leu
20 25 30
Arg Tyr Ala Asn Asn Ser Asn Tyr Lys Asn Asp Val Met Ile Arg Lys
35 40 45
Glu Glu Leu Glu Ile Val Ile Gly Asp Glu His Ile Ser Phe Thr Thr
50 55 60
Ser Lys Ile Gly Ser Leu Ile Asp Val Asn Gln Ser Lys Asp Pro Glu
65 70 75 80
Gly Leu Arg Val Phe Tyr Tyr Leu Val Gln Asp Leu Lys Cys Leu Val
85 90 95

<210> 5244

<211> 399

<212> PRT

<213> Homo sapiens

<400> 5244

Met Glu Ser Asp Phe Tyr Leu Arg Tyr Tyr Val Gly His Lys Gly Lys
1 5 10 15
Phe Gly His Glu Phe Leu Glu Phe Glu Phe Arg Pro Asp Gly Lys Leu
20 25 30
Arg Tyr Ala Asn Asn Ser Asn Tyr Lys Asn Asp Val Met Ile Arg Lys
35 40 45
Glu Ala Tyr Val His Lys Ser Val Met Glu Glu Leu Lys Arg Ile Ile
50 55 60
Asp Asp Ser Glu Ile Thr Lys Glu Asp Asp Ala Leu Trp Pro Pro Pro
65 70 75 80
Asp Arg Val Gly Arg Gln Glu Leu Glu Ile Val Ile Gly Asp Glu His
85 90 95
Ile Ser Phe Thr Thr Ser Lys Ile Gly Ser Leu Ile Asp Val Asn Gln
100 105 110
Ser Lys Asp Pro Glu Gly Leu Arg Val Phe Tyr Tyr Leu Val Gln Asp
115 120 125
Leu Lys Cys Leu Val
130

<210> 5245

<211> 327

<212> PRT

<213> Homo sapiens

<400> 5245

Met Met Arg Phe Met Leu Leu Phe Ser Arg Gln Gly Lys Leu Arg Leu
1 5 10 15

Gln Lys Trp Tyr Leu Ala Thr Ser Asp Lys Glu Arg Lys Lys Met Val
 20 25 30
 Arg Glu Leu Met Gln Val Val Leu Ala Arg Lys Pro Lys Met Cys Ser
 35 40 45
 Phe Leu Glu Trp Arg Asp Leu Lys Val Val Tyr Lys Arg Tyr Ala Ser
 50 55 60
 Leu Tyr Phe Cys Cys Ala Ile Glu Gly Gln Asp Asn Glu Leu Ile Thr
 65 70 75 80
 Leu Glu Leu Ile His Arg Tyr Val Glu Leu Leu Asp Lys Tyr Phe Gly
 85 90 95
 Ser Val Cys Glu Leu Asp Ile Ile Phe Asn Phe Glu Lys
 100 105

<210> 5246
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5246
 Met Ala Ala Arg Thr Ala Phe Gly Ala Val Cys Arg Arg Leu Trp Gln
 1 5 10 15
 Gly Leu Gly Asn Phe Ser Val Asn Thr Ser Lys Gly Asn Thr Ala Lys
 20 25 30
 Asn Gly Gly Leu Leu Leu Ser Thr Asn Met Lys Trp Val Gln Phe Ser
 35 40 45
 Xaa Leu His Val Asp Val Pro Lys Asp Leu Thr Lys Pro Val Val Thr
 50 55 60
 Ile Ser Asp Glu Pro Asp Ile Leu Tyr Lys Arg Leu Ser Val Leu Val
 65 70 75 80
 Lys Gly His Asp Lys Ala Val Leu Asp Ser Tyr Glu Tyr Phe Ala Val
 85 90 95
 Leu Ala Ala Lys Glu Leu Gly Ile
 100

<210> 5247
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 5247
 Met Lys Trp Val Gln Phe Ser Asn Leu His Val Asp Val Pro Lys Asp
 1 5 10 15
 Leu Thr Lys Pro Val Val Thr Ile Ser Asp Glu Pro Asp Ile Leu Tyr
 20 25 30
 Lys Arg Leu Ser Val Leu Val Lys Gly His Asp Lys Ala Val Leu Asp
 35 40 45
 Ser Tyr Glu Tyr Phe Ala Val Leu Ala Ala Lys Glu Leu Gly Ile
 50 55 60

<210> 5248
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5248

```

Met Val Val Met Ala Arg Leu Ser Arg Pro Glu Arg Pro Asp Leu Val
1           5           10           15
Phe Glu Glu Glu Asp Leu Pro Tyr Glu Glu Glu Ile Met Arg Asn Gln
           20           25           30
Phe Ser Val Lys Cys Trp Leu Arg Tyr Ile Glu Phe Lys Gln Gly Ala
           35           40           45
Pro Lys Pro Arg Leu Asn Gln Leu Tyr Glu Arg Ala Leu Lys Leu Leu
           50           55           60
Pro Cys Ser Tyr Lys Leu Trp Tyr Arg Tyr Leu Lys Ala Arg Arg Ala
65           70           75           80
Gln Val Lys His Arg Cys Val Thr Asp Pro Ala Tyr Glu Asp Val Asn
           85           90           95
Asn Cys His Glu Arg Ala Phe Val Phe Met His Lys Met Pro Arg Leu
           100          105          110
Trp Leu Asp Tyr Cys Gln Ser Ser
           115          120

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<210> 5249

<211> 303

<212> PRT

<213> Homo sapiens

<400> 5249

```

Met Ala Lys His His Pro Asp Leu Ile Phe Cys Arg Lys Gln Ala Gly
1           5           10           15
Val Ala Ile Gly Arg Leu Cys Glu Lys Cys Asp Gly Lys Cys Val Ile
           20           25           30
Cys Asp Ser Tyr Val Arg Pro Cys Thr Leu Val Arg Ile Cys Asp Glu
           35           40           45
Cys Asn Tyr Gly Ser Tyr Gln Gly Arg Cys Val Ile Cys Gly Gly Pro
           50           55           60
Gly Val Ser Asp Ala Tyr Tyr Cys Lys Glu Cys Thr Ile Gln Glu Lys
65           70           75           80
Asp Arg Asp Gly Cys Pro Lys Ile Val Asn Leu Gly Ser Ser Lys Thr
           85           90           95
Asp Leu Phe Tyr Glu
           100

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<210> 5250

<211> 327

<212> PRT

<213> Homo sapiens

<400> 5250

```

Met Ala Arg Asn Pro Ala Ala Ile Asp Met Phe Ile Ile Gly Ala Thr
1           5           10           15
Phe Thr Asp Trp Phe Thr Ser Tyr Val Lys Asn Val Val Ser Gly Gly
           20           25           30
Phe Pro Ile Ile Arg Asp Gln Ile Phe Arg Tyr Val His Asp Pro Glu
           35           40           45
Cys Val Ala Thr Thr Gly Asp Ile Thr Val Ser Val Ser Thr Ser Phe
           50           55           60
Leu Pro Glu Leu Ser Ser Val His Pro Pro His Tyr Phe Phe Thr Tyr

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65 70 75 80
 Arg Ile Arg Ile Glu Met Ser Lys Asp Ala Leu Pro Glu Lys Ala Cys
 85 90 95
 Gln Leu Asp Ser Arg Tyr Trp Arg Ile Thr Asn Ala Lys
 100 105

<210> 5251
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 5251
 Met Gly Leu Asp Lys Met Lys Lys Thr Ala Cys Gly Phe Cys Phe Val
 1 5 10 15
 Glu Tyr Tyr Ser Arg Ala Asp Ala Glu Asn Ala Met Arg Tyr Ile Asn
 20 25 30
 Gly Thr Arg Leu Asp Asp Arg Ile Ile Arg Thr Asp Trp Asp Ala Gly
 35 40 45
 Phe Lys Glu
 50

<210> 5252
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 5252
 Met Ser Ser Ile Gly Thr Gly Tyr Asp Leu Ser Ala Ser Thr Phe Ser
 1 5 10 15
 Pro Asp Gly Arg Val Phe Gln Val Glu Tyr Ala Met Lys Ala Val Glu
 20 25 30
 Asn Ser Ser Thr Ala Ile Gly Ile Arg Cys Lys Asp Gly Val Val Phe
 35 40 45
 Gly Val Glu Lys Leu Val Leu Ser Lys Leu Tyr Glu Glu Gly Ser Asn
 50 55 60
 Lys Arg Leu Phe Asn Val Asp Arg His Val Gly Met Ala Val Ala Gly
 65 70 75 80
 Leu Leu Ala Asp Ala Arg Ser Leu Ala Asp Ile Ala Arg Glu Glu Ala
 85 90 95
 Ser Asn Phe Arg Ser Asn Phe Gly Tyr Asn Ile Pro Leu Lys His Leu
 100 105 110
 Ala Asp Arg Val Ala Met Tyr Val His Ala Tyr Thr Leu Tyr Ser Ala
 115 120 125
 Val Arg Pro Phe Gly Cys Ser Phe Met Leu Gly Ser Tyr Ser Val Asn
 130 135 140
 Asp
 145

<210> 5253
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 5253

004220-055E1560

Met Pro Met Thr Leu Gly Tyr Trp Asn Ile Arg Gly Leu Ala His Ser
 1 5 10 15
 Ile Arg Leu Leu Leu Glu Tyr Thr Asp Ser Ser Tyr Glu Glu Lys Lys
 20 25 30
 Tyr Thr Met Gly Asp Ala Pro Asp Tyr Asp Arg Ser Gln Trp Leu Asn
 35 40 45
 Glu Lys Phe Lys Leu Gly Leu Asp Phe Pro Asn Leu Pro Tyr Leu Ile
 50 55 60
 Asp Gly Thr His Lys Ile Thr Gln Ser Asn Ala Ile Leu Arg Tyr Ile
 65 70 75 80
 Ala Arg Lys His Asn Leu Cys Gly Glu Ser Glu Lys Glu Gln Ile Arg
 85 90 95
 Glu Asp Ile Leu Glu Asn Gln Phe Met Asp Ser Arg Met Gln Leu Ala
 100 105 110
 Lys Leu Cys Tyr Asp Pro Asp Phe Val Ser Pro
 115 120

<210> 5254
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 5254
 Met Ser Cys Glu Ser Ser Met Val Leu Gly Tyr Trp Asp Ile Arg Gly
 1 5 10 15
 Leu Ala His Ala Ile Arg Leu Leu Leu Glu Phe Thr Asp Thr Ser Tyr
 20 25 30
 Glu Glu Lys Arg Tyr Thr Cys Gly Glu Ala Pro Asp Tyr Asp Arg Ser
 35 40 45
 Gln Trp Leu Asp Val Lys Phe Lys Leu Asp Leu Asp Phe Pro Asn Leu
 50 55 60
 Pro Tyr Leu Leu Asp Gly Lys Asn Lys Ile Thr Gln Ser Asn Ala Ile
 65 70 75 80
 Leu Arg Tyr Ile Ala Arg Lys His Asn Met Cys Gly Glu Thr Glu Glu
 85 90 95
 Glu Lys Ile Arg Val Asp Ile Ile Glu Asn Gln Val Met Asp Phe Arg
 100 105 110
 Thr Gln Leu Ile Arg Leu Cys Tyr Ser Ser Asp
 115 120

<210> 5255
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 5255
 Met Asp Glu Asp Val Leu Thr Thr Leu Lys Ile Leu Ile Ile Gly Glu
 1 5 10 15
 Ser Gly Val Gly Lys Ser Ser Leu Leu Leu Arg Phe Thr Asp Asp Thr
 20 25 30
 Phe Asp Pro Glu Leu Ala Ala Thr Ile Gly Val Asp Phe Lys Val Lys
 35 40 45
 Thr Ile Ser Val Asp Gly Asn Lys Ala Lys Leu Ala Ile Trp Asp Thr
 50 55 60

Ala Gly Gln Glu Arg Phe Arg Thr Leu Thr Pro Ser Tyr Tyr Arg
65 70 75

<210> 5256
<211> 192
<212> PRT
<213> Homo sapiens

<400> 5256
Met Asp Glu Asp Val Leu His Pro Glu Glu Pro His His Arg Leu Leu
1 5 10 15
Leu Arg Phe Thr Asp Asp Thr Phe Asp Pro Glu Leu Ala Ala Thr Ile
20 25 30
Gly Glu Pro Val Phe Lys Asn Ser Ile Glu Met Ser Asn Ile Phe Leu
35 40 45
Pro Leu Gly Phe Phe Tyr Leu Asn Pro Ser Thr Phe Leu Leu Pro Arg
50 55 60

<210> 5257
<211> 498
<212> PRT
<213> Homo sapiens

<400> 5257
Met Ala Ile Pro Gly Ile Pro Tyr Glu Arg Arg Leu Leu Ile Met Ala
1 5 10 15
Asp Pro Arg Asp Lys Ala Leu Gln Asp Tyr Arg Lys Lys Leu Leu Glu
20 25 30
His Lys Glu Ile Asp Gly Arg Leu Lys Glu Leu Arg Glu Gln Leu Lys
35 40 45
Glu Leu Thr Lys Gln Tyr Glu Lys Ser Glu Asn Asp Leu Lys Ala Leu
50 55 60
Gln Ser Val Gly Gln Ile Val Gly Glu Val Leu Lys Gln Leu Thr Glu
65 70 75 80
Glu Lys Phe Ile Val Lys Ala Thr Asn Gly Pro Arg Tyr Val Val Gly
85 90 95
Cys Arg Arg Gln Leu Asp Lys Ser Lys Leu Lys Pro Gly Thr Arg Val
100 105 110
Ala Leu Asp Met Thr Thr Leu Thr Ile Met Arg Tyr Leu Pro Arg Glu
115 120 125
Val Asp Pro Leu Val Tyr Asn Met Ser His Glu Asp Pro Gly Asn Val
130 135 140
Ser Tyr Ser Glu Ile Gly Gly Leu Ser Glu Gln Ile Arg Glu Leu Arg
145 150 155 160
Glu Val Ile Glu Leu Pro
165

<210> 5258
<211> 156
<212> PRT
<213> Homo sapiens

<400> 5258
Met Ala Gln Ser Val Leu Val Pro Ser Gly Pro Asp Ser Phe Arg Phe

1 5 10 15
Phe Thr Arg Glu Ser Leu Ala Ala Ile Glu Gln Arg Ile Ala Glu Glu
20 25 30
Lys Ala Lys Arg Pro Lys Gln Glu Arg Lys Asp Glu Asp Asp Glu Asn
35 40 45
Gly Pro Lys Pro
50

<210> 5259
<211> 381
<212> PRT
<213> Homo sapiens

<400> 5259
Met Ala Asp Leu Glu Glu Gln Leu Ser Asp Glu Glu Lys Val Arg Ile
1 5 10 15
Ala Ala Lys Phe Ile Ile His Ala Pro Pro Gly Glu Phe Asn Glu Val
20 25 30
Phe Asn Asp Val Arg Leu Leu Leu Asn Asn Asp Asn Leu Leu Arg Glu
35 40 45
Gly Ala Ala His Ala Phe Ala Gln Tyr Asn Leu Asp Gln Phe Thr Pro
50 55 60
Val Lys Ile Glu Gly Tyr Glu Asp Gln Val Leu Ile Thr Glu His Gly
65 70 75 80
Asp Leu Gly Asn Gly Lys Phe Leu Asp Pro Lys Asn Arg Ile Cys Phe
85 90 95
Lys Phe Asp His Leu Arg Lys Glu Ala Thr Asp Pro Arg Pro Cys Glu
100 105 110
Val Glu Asn Ala Val Glu Ser Trp Arg Thr Ser Val Glu Thr Ala
115 120 125

<210> 5260
<211> 231
<212> PRT
<213> Homo sapiens

<400> 5260
Met Arg Lys Ile Asp Leu Cys Leu Ser Ser Glu Gly Ser Glu Val Ile
1 5 10 15
Leu Ala Thr Ser Ser Asp Glu Lys His Pro Pro Glu Asn Ile Ile Asp
20 25 30
Gly Asn Pro Glu Thr Phe Trp Thr Thr Thr Gly Met Phe Pro Gln Glu
35 40 45
Phe Ile Ile Cys Phe His Lys His Val Arg Ile Glu Arg Leu Val Ile
50 55 60
Gln Ser Tyr Phe Val Gln Thr Leu Lys Ile Glu Lys Ser
65 70 75

<210> 5261
<211> 210
<212> PRT
<213> Homo sapiens

<400> 5261

Met Glu Xaa Thr Glu Asn Ser Val Asp Ser Lys Ser Ile Lys Asn Leu
 1 5 10 15
 Glu Pro Lys Ile Ile His Gly Ser Glu Ser Met Asp Ser Gly Ile Ser
 20 25 30
 Leu Asp Asn Ser Tyr Lys Met Asp Tyr Pro Glu Met Gly Leu Cys Ile
 35 40 45
 Ile Ile Asn Asn Lys Asn Phe His Lys Ser Thr Gly Met Thr Ser Arg
 50 55 60
 Ser Gly Thr Asp Val Asp
 65 70

<210> 5262
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5262
 Met Ala Thr Ala Ala Tyr Glu Gln Leu Lys Leu His Ile Thr Pro Glu
 1 5 10 15
 Lys Phe Tyr Val Glu Ala Cys Asp Asp Gly Ala Asp Asp Val Leu Thr
 20 25 30
 Ile Asp Arg Val Ser Thr Glu Val Thr Leu Ala Val Lys Lys Asp Val
 35 40 45
 Pro Pro Ser Ala Val Thr Arg Pro Ile Phe Gly Ile Leu Gly Thr Ile
 50 55 60
 His Leu
 65

<210> 5263
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 5263
 Met Ser Ser His Lys Thr Phe Arg Ile Lys Arg Phe Leu Ala Lys Lys
 1 5 10 15
 Gln Lys Gln Asn Arg Pro Ile Pro Gln Trp Ile Arg Met Lys Thr Gly
 20 25 30
 Asn Lys Ile Xaa Xaa Thr Glu Lys Phe Ser Lys Ser Pro Leu Asp Pro
 35 40 45
 Gly Ser Pro Ala Val Phe Thr Cys His Gln Leu Leu Gly Arg Leu Arg
 50 55 60
 Gln Glu Asn Arg Leu Asn Pro Gly Gly Gly Gly Cys Trp Glu Pro Ser
 65 70 75 80
 Gln Asp His Ala Thr Thr Leu Gln
 85

<210> 5264
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 5264
 Met Tyr Thr Gly His Glu Asn Lys Asp Trp Phe Ser Arg His Trp Phe

1 5 10 15
 Thr Leu Gln Pro Val Phe Ser Val Ser Pro Phe Pro Thr Ser Phe Pro
 20 25 30
 Pro Pro Asn Pro Phe Phe Phe Leu Phe Cys Phe Xaa Phe Leu Phe Phe
 35 40 45
 Xaa Phe Leu Phe Thr Leu Pro Ser Met Pro Phe Xaa Ser Cys Phe Ser
 50 55 60
 Ser Gln Lys Thr Phe Gln
 65 70

<210> 5265
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5265
 Met Ala Asp Glu Ala Thr Arg Arg Val Val Ser Glu Ile Pro Val Leu
 1 5 10 15
 Lys Thr Asn Ala Gly Pro Arg Asp Arg Glu Leu Trp Val Gln Arg Leu
 20 25 30
 Lys Glu Glu Tyr Gln Ser Leu Ile Arg Tyr Val Glu Asn Asn Lys Asn
 35 40 45
 Ala Asp Asn Asp Trp Phe Arg Leu Glu Ser Asn Lys Glu Gly Thr Arg
 50 55 60
 Trp Phe Gly Lys Cys Trp Tyr Ile His Asp Leu Leu Lys Tyr Glu Phe
 65 70 75 80
 Asp Ile Glu Phe Asp Ile Pro Ile Thr Tyr Pro Thr Thr Ala Pro Glu
 85 90 95
 Ile Ala Val Pro Glu Leu Asp Gly Lys Thr Ala Lys Met Tyr Arg Gly
 100 105 110
 Gly Lys Ile Cys Leu Thr Asp His
 115 120

<210> 5266
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5266
 Met Ala Asp Glu Ala Thr Arg Arg Val Val Ser Glu Ile Pro Val Leu
 1 5 10 15
 Lys Thr Asn Ala Gly Pro Arg Asp Arg Glu Leu Trp Val Gln Arg Leu
 20 25 30
 Lys Glu Glu Tyr Gln Ser Leu Ile Arg Tyr Val Glu Asn Asn Lys Asn
 35 40 45
 Ala Asp Asn Asp Trp Phe Arg Leu Glu Ser Asn Lys Glu Gly Thr Arg
 50 55 60
 Trp Phe Gly Lys Cys Trp Tyr Ile His Asp Leu Leu Lys Tyr Glu Phe
 65 70 75 80
 Asp Ile Glu Phe Asp Ile Pro Ile Thr Tyr Pro Thr Thr Ala Pro Glu
 85 90 95
 Ile Ala Val Pro Glu Leu Asp Gly Lys Thr Ala Lys Met Tyr Arg Gly
 100 105 110
 Gly Lys Ile Cys Leu Thr Asp His

115

120

<210> 5267

<211> 282

<212> PRT

<213> Homo sapiens

<400> 5267

Met	Lys	Pro	His	Phe	Arg	Asn	Thr	Val	Glu	Arg	Met	Tyr	Arg	Asp	Thr
1				5					10					15	
Phe	Ser	Tyr	Asn	Phe	Tyr	Asn	Arg	Pro	Ile	Leu	Ser	Arg	Arg	Asn	Thr
			20					25					30		
Val	Trp	Leu	Cys	Tyr	Glu	Val	Lys	Thr	Lys	Gly	Pro	Ser	Arg	Pro	Arg
		35					40					45			
Leu	Asp	Ala	Lys	Ile	Phe	Arg	Gly	Gln	Val	Tyr	Ser	Gln	Pro	Glu	His
	50					55					60				
His	Ala	Glu	Met	Cys	Phe	Leu	Ser	Trp	Phe	Cys	Gly	Asn	Gln	Leu	Pro
65					70					75				80	
Ala	Tyr	Lys	Cys	Phe	Gln	Ile	Thr	Trp	Phe	Val	Ser	Trp	Thr		
				85					90						

<210> 5268

<211> 663

<212> PRT

<213> Homo sapiens

<400> 5268

Met	Ala	Asp	Phe	Asp	Asp	Arg	Val	Ser	Asp	Glu	Glu	Lys	Val	Arg	Ile
1			5						10					15	
Ala	Ala	Lys	Phe	Ile	Thr	His	Ala	Pro	Pro	Gly	Glu	Phe	Asn	Glu	Val
			20					25					30		
Phe	Asn	Asp	Val	Arg	Leu	Leu	Leu	Asn	Asn	Asp	Asn	Leu	Leu	Arg	Glu
		35					40					45			
Gly	Ala	Ala	His	Ala	Phe	Ala	Gln	Tyr	Asn	Met	Asp	Gln	Phe	Thr	Pro
	50					55				60					
Val	Lys	Ile	Glu	Gly	Tyr	Glu	Asp	Gln	Val	Leu	Ile	Thr	Glu	His	Gly
65					70					75				80	
Asp	Leu	Gly	Asn	Ser	Arg	Phe	Leu	Asp	Pro	Arg	Asn	Lys	Ile	Ser	Phe
			85					90					95		
Lys	Phe	Asp	His	Leu	Arg	Lys	Glu	Ala	Ser	Asp	Pro	Gln	Pro	Glu	Glu
			100				105						110		
Ala	Asp	Gly	Gly	Leu	Lys	Ser	Trp	Arg	Glu	Ser	Cys	Asp	Ser	Gly	Xaa
	115					120					125				
Arg	Xaa	Tyr	Val	Lys	Asp	His	Tyr	Ser	Asn	Gly	Phe	Cys	Thr	Val	Tyr
	130				135					140					
Ala	Lys	Thr	Ile	Asp	Gly	Gln	Gln	Thr	Ile	Ile	Ala	Cys	Ile	Glu	Ser
145				150						155				160	
His	Gln	Phe	Gln	Pro	Lys	Asn	Phe	Trp	Asn	Gly	Arg	Trp	Arg	Ser	Glu
			165					170					175		
Trp	Lys	Phe	Thr	Ile	Ile	Pro	Pro	Thr	Ala	Gln	Val	Val	Gly	Val	Leu
		180						185					190		
Lys	Ile	Gln	Val	His	Tyr	Tyr	Glu	Asp	Gly	Asn	Val	Gln	Leu	Val	Ser
	195						200					205			
His	Lys	Asp	Val	Gln	Asp	Ser	Leu	Thr	Val	Ser	Asn	Glu			

220

<400> 5269

<400> 5270

<400> 5271

3086

Cys Lys Glu His His Gly Lys Ser Gly Leu Thr Lys Ala Val Lys Glu
65 70 75 80
Ser Thr Ile Thr Leu Gln Gln Ala Glu Tyr Glu Phe Leu Ser Phe Val
85 90 95
Arg Gln

<210> 5272
<211> 378
<212> PRT
<213> Homo sapiens

<400> 5272
Met Ala Ser Ser Leu Asn Glu Asp Pro Glu Gly Ser Arg Ile Thr Tyr
1 5 10 15
Val Lys Gly Asp Leu Phe Ala Cys Pro Lys Thr Asp Ser Leu Ala His
20 25 30
Cys Ile Ser Glu Asp Cys Arg Met Gly Ala Gly Ile Ala Val Leu Phe
35 40 45
Lys Lys Lys Phe Gly Gly Val Gln Glu Leu Leu Asn Gln Gln Lys Lys
50 55 60
Ser Gly Glu Val Ala Val Leu Lys Arg Asp Gly Arg Tyr Xaa Xaa Tyr
65 70 75 80
Leu Ile Thr Lys Lys Arg Ala Ser His Lys Pro Thr Tyr Glu Asn Leu
85 90 95
Gln Lys Ser Leu Glu Ala Met Lys Ser His Cys Leu Lys Asn Gly Val
100 105 110
Thr Asp Leu Ser Met Pro Arg Ile Gly Cys Gly Leu Asp Arg
115 120 125

<210> 5273
<211> 231
<212> PRT
<213> Homo sapiens

<400> 5273
Met Glu Pro Pro Lys Met Asn Pro Val Val Glu Pro Leu Ser Trp Met
1 5 10 15
Leu Gly Thr Trp Leu Ser Asp Pro Pro Gly Ala Gly Thr Tyr Pro Thr
20 25 30
Leu Gln Pro Phe Gln Tyr Leu Glu Glu Val His Ile Ser His Val Gly
35 40 45
Gln Pro Met Leu Asn Phe Ser Phe Asn Ser Phe His Pro Asp Thr Arg
50 55 60
Xaa Arg Cys Thr Glu Ser Val Ala Ser Xaa Ala Ser Ser
65 70 75

<210> 5274
<211> 270
<212> PRT
<213> Homo sapiens

<400> 5274
Met Ser Asp Val Glu Glu Asn Asn Phe Glu Gly Arg Glu Ser Arg Ser
1 5 10 15

Gln Ser Lys Ser Pro Thr Gly Thr Pro Ala Arg Val Lys Ser Glu Ser
 20 25 30
 Arg Ser Gly Ser Arg Ser Pro Ser Arg Val Ser Lys His Ser Glu Ser
 35 40 45
 His Ser Arg Ser Arg Ser Asn Pro Gly Arg Gly Gln Gly Asp Ile Leu
 50 55 60
 Ile Asp Val Thr Leu Asp Pro Asp Pro Thr Leu Thr Leu Ile Gly Asp
 65 70 75 80
 Asp Leu Glu Val Asp His Ile His Gln Asn
 85 90

<210> 5275
 <211> 444
 <212> PRT
 <213> Homo sapiens

<400> 5275
 Met Arg Pro Pro Cys Pro Trp Arg Glu Ala Glu Ala Ala Asp Leu Arg
 1 5 10 15
 Pro Glu Ala Pro Gly Arg Arg Asp Xaa Lys Met Ser Ala Ser Leu Val
 20 25 30
 Arg Ala Thr Val Arg Ala Val Ser Lys Arg Lys Leu Gln Pro Thr Arg
 35 40 45
 Ala Ala Leu Thr Leu Thr Pro Ser Ala Val Asn Lys Ile Lys Gln Leu
 50 55 60
 Leu Lys Asp Lys Pro Glu His Val Gly Val Lys Val Gly Val Arg Thr
 65 70 75 80
 Arg Gly Cys Asn Gly Leu Ser Tyr Thr Leu Glu Tyr Thr Lys Thr Lys
 85 90 95
 Gly Asp Ser Asp Glu Glu Val Ile Gln Asp Gly Val Arg Val Phe Ile
 100 105 110
 Glu Lys Lys Ala Gln Leu Thr Leu Leu Gly Thr Glu Met Asp Tyr Val
 115 120 125
 Glu Asp Lys Leu Ser Ser Glu Phe Val Phe Asn Asn Pro Xaa Ile Lys
 130 135 140
 Gly Thr Cys Gly
 145

<210> 5276
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 5276
 Met Ala Pro Val Glu His Val Val Ala Asp Ala Gly Ala Phe Leu Arg
 1 5 10 15
 His Ala Ala Leu Gln Asp Ile Gly Lys Asn Ile Tyr Thr Ile Arg Glu
 20 25 30
 Val Val Thr Glu Ile Arg Asp Lys Ala Thr Arg Arg Arg Leu Ala Val
 35 40 45
 Leu Pro Tyr Glu Leu Arg Phe Lys Glu Pro Leu Pro Glu Tyr Val Arg
 50 55 60
 Leu Val Thr Glu Phe Ser Lys Lys Thr Gly Asp Tyr Pro Ser Leu Ser
 65 70 75 80

Ala Thr Asp Ile Gln Val Leu Ala Leu Thr Tyr Gln Leu Glu Ala Glu
85 90 95
Phe Val Gly Val Ser His Leu Lys Gln Glu Pro Gln Lys Val Lys Val
100 105 110
Ser Ser Ser Ile Gln His Pro Glu Thr Pro Leu His
115 120

<210> 5277
<211> 336
<212> PRT
<213> Homo sapiens

<400> 5277
Met Ser Val Pro Gly Pro Ser Ser Pro Asp Gly Ala Leu Thr Arg Pro
1 5 10 15
Pro Tyr Cys Leu Glu Ala Gly Glu Pro Thr Pro Gly Leu Ser Asp Thr
20 25 30
Ser Pro Asp Glu Gly Leu Ile Glu Asp Leu Thr Ile Glu Asp Lys Ala
35 40 45
Val Glu Gln Leu Ala Glu Gly Leu Leu Ser His Tyr Leu Pro Asp Leu
50 55 60
Gln Arg Ser Lys Gln Ala Leu Gln Glu Leu Thr Gln Asn Gln Val Val
65 70 75 80
Leu Leu Asp Thr Leu Glu Gln Glu Ile Ser Lys Phe Lys Glu Cys His
85 90 95
Ser Met Leu Asp Ile Asn Ala Leu Phe Ala Glu Ala Lys His Tyr His
100 105 110

<210> 5278
<211> 375
<212> PRT
<213> Homo sapiens

<400> 5278
Met Gly Lys Ser Asn Ser Lys Leu Lys Pro Glu Val Val Glu Glu Leu
1 5 10 15
Thr Arg Lys Thr Tyr Phe Thr Glu Lys Glu Val Gln Gln Trp Tyr Lys
20 25 30
Gly Phe Ile Lys Asp Cys Pro Ser Gly Gln Leu Asp Ala Ala Gly Phe
35 40 45
Gln Lys Ile Tyr Lys Gln Phe Phe Pro Phe Gly Asp Pro Thr Lys Phe
50 55 60
Ala Thr Phe Val Phe Asn Val Phe Asp Glu Asn Lys Asp Gly Arg Ile
65 70 75 80
Glu Phe Ser Glu Phe Ile Gln Ala Leu Ser Val Thr Ser Arg Gly Thr
85 90 95
Trp Met Arg Ser Tyr Gly Gly Pro Ser Ser Ser Thr Thr Trp Thr Met
100 105 110
Met Ala Thr Ser Pro Gly Met Arg Cys Trp Thr Leu Trp
115 120 125

<210> 5279
<211> 372
<212> PRT

004220" 6657.560

<213> Homo sapiens

<400> 5279

Met Ile Ile Pro Ser Leu Glu Glu Leu Asp Ser Leu Lys Tyr Ser Asp
1 5 10 15
Leu Gln Asn Leu Ala Lys Ser Leu Gly Leu Arg Ala Asn Leu Arg Ala
20 25 30
Thr Lys Leu Leu Lys Ala Leu Lys Gly Tyr Ile Lys His Glu Ala Arg
35 40 45
Lys Gly Asn Glu Asn Gln Asp Glu Ser Gln Thr Ser Ala Ser Ser Cys
50 55 60
Asp Glu Thr Glu Ile Gln Ile Ser Asn Gln Glu Glu Ala Glu Arg Gln
65 70 75 80
Pro Leu Gly His Val Thr Lys Thr Arg Arg Arg Cys Lys Thr Val Arg
85 90 95
Val Asp Pro Asp Ser Gln Asn His Glu Lys Gln Glu Xaa Gln Asp Leu
100 105 110
Xaa Ser Tyr Cys Lys Ser Ser Phe Ser Thr Arg Arg
115 120

<210> 5280

<211> 177

<212> PRT

<213> Homo sapiens

<400> 5280

Met Ser Ser Thr Ser Pro Xaa Leu Gln Lys Ala Ile Asp Leu Ala Ser
1 5 10 15
Lys Ala Ala Gln Glu Asp Lys Ala Gly Asn Tyr Glu Glu Ala Leu Gln
20 25 30
Leu Tyr Gln His Ala Xaa Gln Tyr Phe Leu His Val Val Lys Tyr Glu
35 40 45
Ala Gln Gly Asp Lys Ala Lys Gln Ser Ile Arg
50 55

<210> 5281

<211> 369

<212> PRT

<213> Homo sapiens

<400> 5281

Met Lys Phe Arg Ala Lys Ile Val Asp Gly Ala Cys Leu Asn His Phe
1 5 10 15
Thr Arg Ile Ser Asn Met Ile Ala Lys Leu Ala Lys Thr Cys Thr Leu
20 25 30
Arg Ile Ser Pro Asp Lys Leu Asn Phe Ile Leu Cys Asp Lys Leu Ala
35 40 45
Asn Gly Gly Val Ser Met Trp Cys Glu Leu Glu Gln Glu Asn Phe Phe
50 55 60
Asn Glu Phe Gln Met Glu Gly Val Ser Ala Glu Asn Asn Glu Ile Tyr
65 70 75 80
Leu Glu Leu Thr Ser Glu Asn Leu Ser Arg Ala Leu Lys Thr Ala Gln
85 90 95
Asn Ala Arg Ala Leu Lys Ile Lys Leu Thr Asn Lys His Phe Pro Cys

100 105 110
 Leu Thr Val Ser Val Glu Leu Leu Ser Met Ser
 115 120

<210> 5282
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 5282
 Met Ser Lys Leu Trp Arg Arg Gly Ser Thr Ser Gly Ala Met Glu Ala
 1 5 10 15
 Pro Glu Pro Gly Glu Ala Leu Glu Leu Ser Leu Ala Gly Ala His Gly
 20 25 30
 His Gly Val His Lys Lys Lys His Lys Lys His Lys Lys Lys His Lys
 35 40 45
 Lys Lys His His Gln Glu Glu Asp Ala Gly Pro Thr Gln Pro Ser Pro
 50 55 60
 Ala Lys Pro Gln Leu Lys Leu Lys Ile Lys Leu Gly Gly Gln Val Leu
 65 70 75 80
 Gly Thr Lys Ser Val Pro Thr Phe Thr Val Ile Pro Glu Gly Pro Arg
 85 90 95
 Ser Pro Ser Pro Leu Met Val Val Asp Asn Glu Glu Glu Pro Met Glu
 100 105 110
 Gly Val Pro Leu Glu
 115

<210> 5283
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 5283
 Met His Trp Phe Arg Thr Trp Lys Leu Met Glu Ile Thr Val Gln Gln
 1 5 10 15
 Leu Met Ala His Leu Asp Ala Ile Arg Lys Asp Met Val Ile Leu Glu
 20 25 30
 Lys Ser Glu Phe Ala Asn Leu Arg Ala Glu Asn Glu Lys Met Lys Ile
 35 40 45
 Glu Leu Asp Gln Val Lys Gln Gln Leu Met His Glu Thr Ser Xaa Ile
 50 55 60
 Arg Ala Asp Asn Lys Leu
 65 70

<210> 5284
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 5284
 Met Val Thr Gln Ala Gln Gln Xaa Ile Thr Val Gln Gln Leu Met Ala
 1 5 10 15
 His Leu Asp Ala Ile Arg Lys Asp Met Val Ile Leu Glu Lys Ser Glu
 20 25 30

Phe Ala Asn Leu Arg Ala Glu Asn Glu Lys Met Lys Ile Glu Leu Asp
 35 40 45
 Gln Val Lys Gln Gln Leu Met His Glu Thr Ser Xaa Ile Arg Ala Asp
 50 55 60
 Asn Lys Leu
 65

<210> 5285

<211> 333

<212> PRT

<213> Homo sapiens

<400> 5285

Met Glu Val Ser Pro Leu Gln Pro Val Asn Glu Asn Met Gln Val Asn
 1 5 10 15
 Lys Ile Lys Lys Asn Glu Asp Ala Lys Lys Arg Leu Ser Val Glu Arg
 20 25 30
 Ile Tyr Gln Lys Lys Thr Gln Leu Glu His Ile Leu Leu Arg Pro Asp
 35 40 45
 Thr Tyr Ile Gly Ser Val Glu Leu Val Thr Gln Gln Met Trp Val Tyr
 50 55 60
 Asp Glu Asp Val Gly Ile Asn Tyr Arg Glu Val Thr Phe Val Pro Gly
 65 70 75 80
 Leu Tyr Lys Ile Phe Asp Glu Ile Leu Val Asn Ala Ala Asp Asn Lys
 85 90 95
 Gln Arg Asp Pro Lys Met Ser Cys Ile Arg Val Thr Ile Asp Pro
 100 105 110

<210> 5286

<211> 192

<212> PRT

<213> Homo sapiens

<400> 5286

Met Glu Ile Lys Asp Gln Gly Ala Gln Met Glu Pro Leu Leu Pro Thr
 1 5 10 15
 Arg Asn Asp Glu Glu Ala Val Val Asp Arg Gly Gly Thr Arg Ser Ile
 20 25 30
 Leu Lys Thr His Phe Glu Lys Glu Asp Leu Glu Gly His Arg Thr Leu
 35 40 45
 Phe Ile Gly Val His Val Pro Xaa Gly Gly Arg Lys Ser His Arg Arg
 50 55 60

<210> 5287

<211> 153

<212> PRT

<213> Homo sapiens

<400> 5287

Met Ser Asp Ala Lys Trp Ala Arg Ser Asn Thr Gly Met Leu Lys His
 1 5 10 15
 Ser Trp Asn Leu Arg Arg Glu Glu Gly Phe Ser Asp His Phe His Thr
 20 25 30
 Ser Asn Asn Leu Gly Arg Ile Xaa Asn Ile Tyr Leu Ser Ser Asp Asn

35
Thr Asn Arg
50

40

45

<210> 5288
<211> 195
<212> PRT
<213> Homo sapiens

<400> 5288
Met Gly Val Lys Leu Glu Ile Phe Arg Met Ile Ile Tyr Leu Thr Phe
1 5 10 15
Pro Val Ala Met Phe Trp Val Ser Asn Gln Ala Glu Trp Phe Glu Asp
20 25 30
Asp Val Ile Gln Arg Lys Arg Glu Leu Trp Pro Pro Glu Lys Val Ser
35 40 45
Asp Leu Phe Phe Leu Pro Glu Gly Trp Arg Arg Leu Asp Ser Cys Ile
50 55 60
Arg
65

<210> 5289
<211> 381
<212> PRT
<213> Homo sapiens

<400> 5289
Met Ala Thr Lys Ala Val Cys Val Leu Lys Gly Asp Gly Pro Val Gln
1 5 10 15
Gly Ile Ile Asn Phe Glu Gln Lys Glu Ser Asn Gly Pro Val Lys Val
20 25 30
Trp Gly Ser Ile Lys Gly Leu Thr Glu Gly Leu His Gly Phe His Val
35 40 45
His Glu Phe Gly Asp Asn Thr Ala Gly Cys Thr Ser Ala Gly Pro His
50 55 60
Phe Asn Pro Leu Ser Arg Lys His Gly Gly Pro Lys Asp Glu Glu Arg
65 70 75 80
His Val Gly Asp Leu Gly Asn Val Thr Ala Asp Lys Asp Gly Val Ala
85 90 95
Asp Val Ser Ile Glu Asp Ser Val Ile Ser Leu Ser Gly Asp His Cys
100 105 110
Ile Ile Gly Arg Thr Leu Val Val His Glu Lys Ala Asp Asp Leu
115 120 125

<210> 5290
<211> 291
<212> PRT
<213> Homo sapiens

<400> 5290
Met Ala Thr Lys Ala Val Cys Val Leu Lys Gly Asp Gly Pro Val Gln
1 5 10 15
Gly Ile Ile Asn Phe Glu Gln Lys Glu Ser Asn Gly Pro Val Lys Val
20 25 30

Trp Gly Ser Ile Gly Gly Ser Arg Ser Leu Leu Val Pro Glu Leu Ile
 35 40 45
 Gly Gln Pro Val Gln Ser Phe Ile Glu Pro Val Ala Ala Gly Gly Ala
 50 55 60
 Gly Gly Leu Asn Val Leu His Phe Phe His Ile Thr Ile Asp Ile Arg
 65 70 75 80
 Asn Val Cys Val Phe Leu Ala Pro Leu Phe Ser Ser Phe Thr Thr Ile
 85 90 95
 Val

<210> 5291
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 5291
 Met Arg Glu Cys Ile Ser Ile His Val Gly Arg Ala Gly Val Arg Ile
 1 5 10 15
 Gly Asn Ala Cys Trp Glu Leu Tyr Cys Leu Ala Ile Arg Cys Pro Ser
 20 25 30
 Gly Phe Lys Ile Ser Ala Ile Ile Thr Val Phe Pro Pro Phe Asp Leu
 35 40 45
 Pro Phe Gly Arg Val Val Leu Val Ala Gly Ala Leu Ala Ala Ala Asp
 50 55 60
 Asp Asp Ile Arg Arg
 65

<210> 5292
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 5292
 Met Arg Glu Cys Ile Ser Val His Val Gly Gln Ala Gly Val Gln Met
 1 5 10 15
 Gly Asn Ala Cys Trp Glu Leu Tyr Cys Leu Glu His Gly Ile Gln Pro
 20 25 30
 Asp Gly Gln Met Pro Ser Asp Lys Thr Ile Gly Gly Gly Asp Asp Ser
 35 40 45
 Phe Thr Thr Phe Phe Cys Glu Thr Gly Ala Gly Lys His Val Pro Arg
 50 55 60
 Ala Val Phe Val Asp Leu Glu Pro Thr Val Ile Asp Glu Ile Arg Asn
 65 70 75 80

<210> 5293
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5293
 Met Arg Glu Cys Ile Ser Ile His Val Gly Gln Ala Gly Val Gln Ile
 1 5 10 15
 Gly Asn Ala Cys Trp Glu Leu Tyr Cys Leu Glu His Xaa Ile Gln Pro
 20 25 30

004230 666E1560

Asp Gly Gln Met Pro Ser Asp Lys Thr Ile Gly Gly Gly Asp Asp Ser
 35 40 45
 Phe Asn Thr Phe Phe Ser Glu Thr Gly Ala Gly Lys His Val Pro Arg
 50 55 60
 Ala Val Phe Val Asp Leu Glu Pro Thr Xaa Val Asp Glu Val Arg Thr
 65 70 75 80
 Gly

<210> 5294
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 5294
 Met Ser Leu His Gln Phe Leu Leu Glu Pro Ile Thr Cys His Ala Trp
 1 5 10 15
 Asn Arg Asp Arg Thr Gln Ile Ala Leu Ser Pro Asn Asn His Glu Val
 20 25 30
 His Ile Tyr Lys Lys Asn Gly Ser Gln Trp Val Lys Ala His Glu Leu
 35 40 45
 Lys Glu His Asn Gly His Ile Thr Gly Ile Asp Trp Ala Pro Lys Ser
 50 55 60
 Asp Arg Ile Val Thr Cys Gly Ala Xaa Arg Asn Ala Tyr Val Trp Ser
 65 70 75 80
 Gln Lys Asp Gly Val Trp Lys Pro Thr Leu Val Ile Leu Arg Ile Asn
 85 90 95

<210> 5295
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5295
 Met Thr Pro Val Gln Ser Ala Thr Ile Pro Leu Phe Met Arg Asn Lys
 1 5 10 15
 Asp Val Ala Ala Glu Ala Val Thr Gly Ser Gly Lys Thr Leu Ala Phe
 20 25 30
 Val Ile Pro Ile Leu Glu Ile Leu Leu Arg Arg Glu Glu Lys Leu Lys
 35 40 45
 Lys Xaa Gln Val Gly
 50

<210> 5296
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 5296
 Met Ala His Arg Phe Pro Ala Leu Thr Gln Glu Gln Lys Lys Glu Leu
 1 5 10 15
 Ser Glu Ile Ala Gln Ser Ile Val Ala Asn Gly Lys Gly Ile Leu Ala
 20 25 30
 Ala Asp Glu Ser Val Gly Thr Met Gly Asn Arg Leu Gln Arg Ile Lys
 35 40 45

Val Glu Asn Thr Glu Glu Asn Arg Arg Gln Phe Arg Glu Ile Leu Phe
 50 55 60
 Ser Val Asp Ser Ser Ile Asn Gln Ser Ile Gly Gly Val Ile Leu Phe
 65 70 75 80
 His Glu Thr Leu Tyr Gln Lys Asp Ser Gln Gly Lys Leu Phe Arg Asn
 85 90 95
 Ile Leu Lys Glu Lys Gly Ile Val Xaa Gly Ile Lys Leu Asp Gln Gly
 100 105 110
 Gly Ala Pro Leu Ala Gly Thr Asn Lys Glu Thr Thr Ile Gln Gly Leu
 115 120 125
 Asp Gly Leu Ser Glu Arg Cys Ala Gln Tyr Lys Lys
 130 135 140

<210> 5297
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 5297
 Met Ala Lys Trp Gly Glu Gly Asp Pro Arg Trp Ile Val Glu Glu Arg
 1 5 10 15
 Ala Asp Ala Thr Asn Val Asn Asn Trp His Trp Thr Glu Arg Asp Ala
 20 25 30
 Ser Asn Trp Ser Thr Asp Lys Leu Lys Thr Leu Phe Leu Ala Val Gln
 35 40 45
 Val Gln Asn Glu Glu Gly Xaa Cys Glu Val Thr Glu Val Ser Lys Leu
 50 55 60
 Asp Gly Glu Ala Ser Ile Asn Asn Arg Lys Gly Lys Leu Ile Phe Phe
 65 70 75 80
 Tyr Glu Trp Ser Val Lys Leu Asn Trp Thr Gly Thr Ser Lys Ser Gly
 85 90 95
 Val Gln Tyr Lys Gly His Val Glu Ile Pro Ile Cys Leu Met Lys Gln
 100 105 110

<210> 5298
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 5298
 Met Ala Lys Trp Gly Glu Gly Asp Pro Arg Trp Ile Val Glu Glu Arg
 1 5 10 15
 Ala Asp Ala Thr Asn Val Asn Asn Trp His Trp Thr Glu Arg Asp Ala
 20 25 30
 Ser Asn Trp Ser Thr Asp Lys Leu Lys Thr Leu Phe Leu Ala Val Gln
 35 40 45
 Val Gln Asn Glu Glu Gly Ile Pro Lys Cys Trp Asp Tyr Arg Gln Glu
 50 55 60
 Pro Arg Pro Leu Ala Leu Ile Ile Val Leu Ser Val Val Val Ala Phe
 65 70 75 80
 Lys Asn

<210> 5299
 <211> 387

<212> PRT

<213> Homo sapiens

<400> 5299

Met Ala Ser Asn Val Thr Asn Lys Thr Asp Pro Arg Ser Met Asn Ser
1 5 10 15
Arg Val Phe Ile Gly Asn Leu Asn Thr Leu Val Val Lys Lys Ser Asp
20 25 30
Val Glu Ala Ile Phe Ser Lys Tyr Gly Lys Ile Val Gly Cys Ser Val
35 40 45
His Lys Gly Phe Ala Phe Val Gln Tyr Val Asn Glu Arg Asn Ala Arg
50 55 60
Ala Ala Val Ala Gly Glu Asp Gly Arg Met Ile Ala Gly Gln Val Leu
65 70 75 80
Asp Ile Asn Leu Ala Ala Glu Pro Lys Val Asn Arg Gly Lys Ala Gly
85 90 95
Val Lys Arg Ser Ala Ala Glu Met Tyr Gly Ser Val Thr Glu His Pro
100 105 110
Ser Pro Ser Pro Leu Leu Ser Ser Ser Phe Asp Leu Asp Tyr Asp Phe
115 120 125
Gln

<210> 5300

<211> 387

<212> PRT

<213> Homo sapiens

<400> 5300

Met Ala Ser Asn Val Thr Asn Lys Thr Asp Pro Arg Ser Met Asn Ser
1 5 10 15
Arg Val Phe Ile Gly Asn Leu Asn Thr Leu Val Val Lys Lys Ser Asp
20 25 30
Val Glu Ala Ile Phe Ser Lys Tyr Gly Lys Ile Val Gly Cys Ser Val
35 40 45
His Lys Gly Phe Ala Phe Val Gln Tyr Val Asn Glu Arg Asn Ala Arg
50 55 60
Ala Ala Val Ala Gly Glu Asp Gly Arg Met Ile Ala Gly Gln Val Leu
65 70 75 80
Asp Ile Asn Leu Ala Ala Glu Pro Lys Val Asn Arg Gly Lys Ala Gly
85 90 95
Val Lys Arg Ser Ala Ala Glu Met Tyr Gly Ser Val Thr Glu His Pro
100 105 110
Ser Pro Ser Pro Leu Leu Ser Ser Ser Phe Asp Leu Asp Tyr Asp Phe
115 120 125
Gln

<210> 5301

<211> 282

<212> PRT

<213> Homo sapiens

<400> 5301

Met Gly Asp Asn Pro Phe Gln Pro Lys Ser Asn Ser Lys Met Ala Glu
1 5 10 15

Leu Phe Met Glu Cys Glu Glu Glu Glu Leu Glu Pro Trp Gln Lys Lys
 20 25 30
 Val Lys Glu Val Glu Asp Asp Asp Asp Glu Pro Ile Phe Val Gly
 35 40 45
 Glu Ile Ser Ser Ser Lys Pro Ala Ile Ser Asn Ile Leu Asn Arg Val
 50 55 60
 Asn Pro Ser Ser Tyr Ser Arg Gly Leu Lys Asn Gly Ala Leu Ser Arg
 65 70 75 80
 Gly Ile Thr Ala Ala Phe Lys Pro Thr Ser Gln His Tyr Thr
 85 90

<210> 5302
 <211> 213
 <212> PRT
 <213> Homo sapiens

<400> 5302
 Met Asp Leu Tyr Glu Asp Tyr Gln Ser Pro Phe Asp Phe Asp Ala Gly
 1 5 10 15
 Val Asn Lys Ser Tyr Leu Tyr Leu Xaa Pro Ser Gly Asn Ser Ser Pro
 20 25 30
 Pro Gly Ser Pro Thr Leu Gln Lys Phe Gly Leu Leu Arg Thr Asp Pro
 35 40 45
 Val Pro Glu Glu Gly Glu Asp Val Ala Ala Thr Ile Ser Ala Thr Glu
 50 55 60
 Thr Leu Ser Glu Glu Glu Gln
 65 70

<210> 5303
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5303
 Met Thr Ala Ser His Ala Thr Gly Gly Ser His Leu Arg Arg Gln Gly
 1 5 10 15
 Trp Val Pro Gly Glu Thr His Leu Gln Ala Lys Asn Ser Leu Lys Ala
 20 25 30
 Glu Arg Leu Asp Arg Trp Cys Arg Met Lys Pro Arg Arg Arg Val Arg
 35 40 45
 Thr Ser Val Pro Val Cys Pro
 50 55

<210> 5304
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 5304
 Met Leu Gln Thr Ser Asn Tyr Ser Leu Val Leu Ser Leu Gln Phe Leu
 1 5 10 15
 Leu Leu Ser Tyr Asp Leu Phe Val Asn Ser Phe Ser Glu Leu Leu Gln
 20 25 30
 Lys Thr Pro Val Ile Gln Leu Val Leu Phe Ile Ile Gln Asp Ile Ala

35 40 45
 Val Leu Phe Asn Ile Ile Ile Ile Phe Leu Met Phe Phe Asn Thr Phe
 50 55 60
 Val Phe Gln Xaa Gly Leu Val Asn Leu Leu Phe His Lys Phe Lys Gly
 65 70 75 80
 Thr Ile Ile Leu Thr
 85

<210> 5305
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 5305
 Met Ala Ala Pro Ala Val Ser Gly Leu Ser Arg Gln Val Arg Cys Phe
 1 5 10 15
 Ser Thr Ser Val Val Arg Pro Phe Ala Lys Leu Val Arg Pro Pro Val
 20 25 30
 Gln Val Tyr Gly Ile Glu Gly Arg Tyr Ala Thr Ala Leu Tyr Ser Ala
 35 40 45
 Ala Ser Lys Gln Asn Lys Leu Glu Gln Val Glu Lys Glu Leu Leu Arg
 50 55 60
 Val Ala Gln Ile Leu Lys Glu Pro Lys Val Ala Ala Ser Val Leu Asn
 65 70 75 80
 Pro Tyr Val Lys Arg Ser Ile Lys Val Lys Ser Leu Asn Asp Ile Thr
 85 90 95
 Ala Lys Glu Arg Phe Ser Pro Leu Thr Thr Asn Leu Ile Asn Leu Leu
 100 105 110
 Ala Glu Asn Gly Arg Leu Ser Asn Thr Gln Gly Val Val Ser Ala Phe
 115 120 125
 Ser Thr Met Met Ser Val His Arg Gly Glu Val Pro
 130 135 140

<210> 5306
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5306
 Met Gly Gly Glu Gln Glu Glu Arg Phe Asp Gly Met Leu Leu Ala
 1 5 10 15
 Met Ala Gln Gln His Glu Gly Gly Val Gln Glu Leu Val Asn Thr Phe
 20 25 30
 Phe Ser Phe Leu Arg Arg Lys Thr Asp Phe Phe Ile Gly Gly Glu Glu
 35 40 45
 Gly Met Ala Glu Lys Leu Ile Thr Gln Thr Phe Ser His His Asn Gln
 50 55 60
 Leu Ala Gln Lys Thr Arg Arg Glu Lys Arg Ala Arg
 65 70 75

<210> 5307
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 5307

Met Gly Gly Glu Gln Glu Glu Glu Arg Phe Asp Gly Met Leu Leu Ala
1 5 10 15
Met Ala Gln Gln His Glu Gly Gly Val Gln Glu Leu Val Asn Thr Phe
20 25 30
Phe Ser Phe Leu Arg Arg Lys Thr Asp Phe Phe Ile Gly Gly Glu Glu
35 40 45
Gly Met Ala Glu Lys Ile Gly Arg Arg Glu Asn Glu Xaa Gln Gln Lys
50 55 60
Lys Cys Gln
65

<210> 5308

<211> 237

<212> PRT

<213> Homo sapiens

<400> 5308

Met Ser Lys Leu Gly Leu Arg Gln Val Thr Gly Val Thr Arg Val Thr
1 5 10 15
Ile Arg Lys Ser Lys Asn Ile Leu Phe Val Ile Thr Lys Pro Asp Val
20 25 30
Tyr Lys Ser Pro Ala Ser Asp Thr Tyr Xaa Val Phe Gly Glu Ala Lys
35 40 45
Ile Glu Asp Leu Ser Gln Gln Ala Gln Leu Ala Ala Glu Lys Phe
50 55 60
Lys Val Gln Gly Glu Ala Val Ser Asn Ile Gln Glu Asn Thr Gln
65 70 75

<210> 5309

<211> 219

<212> PRT

<213> Homo sapiens

<400> 5309

Met Ala Ser Gln Ser Gln Gly Ile Gln Gln Leu Leu Gln Ala Glu Lys
1 5 10 15
Arg Ala Ala Glu Lys Val Ala Asp Ala Arg Lys Arg Lys Ala Arg Arg
20 25 30
Leu Lys Gln Ala Lys Glu Glu Ala Gln Met Glu Val Glu Gln Tyr Arg
35 40 45
Arg Glu Arg Glu His Glu Phe Gln Ser Lys Gln Gln Ala Ala Met Gly
50 55 60
Ser Gln Gly Asn Leu Ser Ala Glu Val
65 70

<210> 5310

<211> 396

<212> PRT

<213> Homo sapiens

<400> 5310

Met Pro Ser Val Pro Asp Phe Glu Thr Leu Phe Ser Gln Val Gln Leu

1	5	10	15
Phe Ile Ser Thr Cys Asn Gly Glu His Ile Arg Tyr Ala Thr Asp Thr			
20	25	30	
Phe Ala Gly Leu Cys His Gln Leu Thr Asn Ala Leu Val Glu Arg Lys			
35	40	45	
Gln Pro Leu Arg Gly Ile Gly Ile Leu Lys Gln Ala Ile Asp Lys Met			
50	55	60	
Gln Met Asn Thr Asn Gln Leu Thr Ser Ile His Ala Asp Leu Cys Gln			
65	70	75	80
Leu Cys Leu Leu Ala Lys Cys Phe Lys Pro Ala Leu Pro Tyr Leu Asp			
85	90	95	
Val Asp Met Met Asp Ile Cys Lys Glu Asn Gly Ala Tyr Asp Ala Lys			
100	105	110	
His Phe Leu Cys Tyr Tyr Tyr Tyr Gly Xaa Met Ile Tyr Thr Gly Leu			
115	120	125	
Lys Asn Phe Glu			
130			

<210> 5311
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5311
Met Thr Glu Leu Pro Ala Pro Leu Ser Tyr Phe Gln Asn Ala Gln Met
1 5 10 15
Ser Glu Asp Asn His Leu Ser Asn Thr Val Arg Ser Gln Asn Asp Asn
20 25 30
Arg Glu Arg Gln Glu His Asn Asp Arg Arg Ser Leu Gly His Pro Glu
35 40 45
Pro Leu Ser Asn Gly Arg Pro Gln Gly Asn Ser Arg Gln Val Val Glu
50 55 60
Gln Asp Glu Glu Glu Asp Glu Glu Leu Xaa Leu Lys Tyr Gly Ala Lys
65 70 75 80
His Val Ile Met Leu Phe
85

<210> 5312
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 5312
Met Ala Gly Glu Glu Ile Asn Glu Asp Tyr Pro Val Glu Ile His Glu
1 5 10 15
Tyr Leu Ser Ala Phe Glu Asn Ser Ile Gly Ala Val Asp Glu Met Leu
20 25 30
Lys Thr Met Met Ser Val Ser Arg Asn Glu Leu Leu Gln Lys Leu Asp
35 40 45
Pro Leu Glu Gln Ala Lys Val Asp Leu Val Ser Ala Tyr Thr Leu Asn
50 55 60
Ser Met Phe Trp Val Tyr Leu Ala Thr Gln Gly Val Asn Pro Lys Glu
65 70 75 80
His Pro Val Lys Gln Glu Leu Glu Arg Ile Arg Val Tyr Met Asn Arg

Val Lys Glu Ile Thr Asp
100

90

95

<210> 5313
<211> 231
<212> PRT
<213> Homo sapiens

<400> 5313
Met Val Leu Lys Thr Glu Glu Glu Asp Val Pro Ser Asp Xaa Thr Ala
1 5 10 15
Glu Glu Arg Gln Glu Leu Glu Asn Ile Arg Arg Arg Lys Gln Glu Leu
20 25 30
Leu Ala Asp Ile Gln Arg Leu Lys Asp Glu Ile Ala Glu Val Ala Asn
35 40 45
Glu Ile Glu Asn Leu Gly Ser Thr Glu Glu Arg Lys Asn Met Gln Arg
50 55 60
Asn Lys Gln Val Ala Met Gly Arg Lys Lys Phe Asn Met
65 70 75

<210> 5314
<211> 207
<212> PRT
<213> Homo sapiens

<400> 5314
Met Lys Asp Asp Arg Arg Xaa Xaa Tyr Ser Ala Gly Lys Arg Gly Gly
1 5 10 15
Phe Asn Thr Phe Arg Asp Xaa Glu Asn Tyr Xaa Xaa Gly Tyr Ser Ser
20 25 30
Leu Leu Lys Arg Asp Phe Gly Ala Lys Thr Gln Asn Gly Val Tyr Ser
35 40 45
Ala Ala Asn Xaa Thr Lys Xaa Glu Xaa Xaa Gly Val Xaa Leu Xaa Leu
50 55 60
Leu Val Tyr Arg Pro
65

<210> 5315
<211> 231
<212> PRT
<213> Homo sapiens

<400> 5315
Met Met Asp Pro Xaa Ser Val Gly Val Gln Leu Arg Thr Thr Asn Glu
1 5 10 15
Cys His Lys Thr Tyr Tyr Thr Arg His Thr Gly Phe Lys Thr Leu Gln
20 25 30
Glu Leu Ser Ser Asn Asp Met Leu Leu Leu Gln Leu Arg Thr Gly Met
35 40 45
Xaa Leu Ser Gly Asn Asn Thr Ile Cys Phe His His Val Lys Ile Tyr
50 55 60
Ile Xaa Arg Phe Glu Asp Leu Gln Lys Ser Cys Cys Asp
65 70 75

<210> 5316
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 5316
 Met Ala Phe Leu Ala Ser Gly Pro Tyr Leu Thr His Gln Gln Lys Val
 1 5 10 15
 Leu Arg Leu Tyr Lys Arg Ala Leu Arg His Leu Glu Ser Trp Cys Val
 20 25 30
 Gln Arg Asp Lys Tyr Arg Tyr Phe Ala Cys Leu Met Arg Gly Pro Ile
 35 40 45
 Lys Asn Leu Lys Glu Gln Leu Ser Met Lys Arg Ser Gln Trp Glu Met
 50 55 60
 Glu Lys His Asn Leu Glu Ser Thr Met Lys Thr Tyr Val Ser Xaa Leu
 65 70 75 80

<210> 5317
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 5317
 Met Pro Glu Arg Glu Leu Trp Pro Ala Gly Thr Gly Ser Glu Pro Val
 1 5 10 15
 Thr Arg Val Gly Ser Cys Asp Ser Met Met Ser Ser Thr Ser Thr Arg
 20 25 30
 Ser Gly Ser Ser Asp Ser Ser Tyr Asp Phe Leu Ser Thr Xaa Glu Xaa
 35 40 45
 Glu Cys Leu Leu Phe Leu Xaa Glu Thr Ile Arg Ser Leu Asp Thr Glu
 50 55 60
 Ala Asp Ser Gly Leu Ser Thr Asp Glu Ser Glu Pro Ala Thr Thr Pro
 65 70 75 80
 Arg Gly Phe Arg Ala Leu Pro Xaa Thr Gln Xaa Thr Pro Arg Gly Gly
 85 90 95
 Pro Glu Glu Thr Ile Thr Gln Gln Gly Arg Thr Pro
 100 105

<210> 5318
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 5318
 Met Leu Ser Ser Thr Ala Met Tyr Ser Ala Pro Gly Arg Asp Leu Gly
 1 5 10 15
 Met Glu Pro His Arg Ala Ala Gly Pro Leu Gln Leu Arg Phe Ser Pro
 20 25 30
 Tyr Val Phe Asn Gly Gly Thr Ile Leu Ala Ile Ala Gly Glu Asp Phe
 35 40 45
 Ala Ile Val Ala Ser Asp Thr Arg Leu Ser Glu Gly Phe Ser Ile His
 50 55 60
 Thr Arg Asp Ser Pro Lys Cys Tyr Lys Leu Thr Asp Lys Thr Val Ile

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65 70 75 80
 Gly Cys Ser Gly Phe His Gly Asp Cys Leu Thr Leu Thr Lys Ile Ile
 85 90 95
 Glu Ala Arg Leu Lys Met Tyr Lys His Ser Asn Asn Lys Ala Met Thr
 100 105 110
 Thr Gly Ala Ile Ala Ala Met Leu Ser Thr Ile Leu Tyr Ser Arg Arg
 115 120 125
 Phe Phe Pro Tyr Tyr Val Tyr Asn
 130 135

<210> 5319
 <211> 267
 <212> PRT
 <213> Homo sapiens

<400> 5319
 Met Ala Glu Tyr Leu Ala Ser Ile Phe Gly Thr Glu Lys Asp Lys Val
 1 5 10 15
 Asn Cys Ser Phe Tyr Phe Lys Ile Gly Ala Cys Arg His Gly Asp Arg
 20 25 30
 Cys Ser Arg Leu His Asn Lys Pro Thr Phe Ser Gln Thr Ile Leu Ile
 35 40 45
 Gln Asn Ile Tyr Arg Asn Pro Gln Asn Ser Ala Gln Thr Ala Asp Gly
 50 55 60
 Ser His Cys Ala Val Ser Asp Val Glu Met Gln Glu His Tyr Asp Glu
 65 70 75 80
 Phe Phe Glu Glu Val Phe Thr Glu Met
 85

<210> 5320
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 5320
 Met Phe Arg Ile Gln Gln Leu Lys Gln Leu Leu Glu Asp Ser Thr Ser
 1 5 10 15
 Gly Glu Asp Arg Ser Ser Ser Ser Ser Ser Glu Gly Lys Glu Lys His
 20 25 30
 Lys Lys Lys Lys Lys Lys Glu Lys His Lys Lys Arg Lys Lys Glu Lys
 35 40 45
 Lys Lys Lys Lys Lys Arg Lys His Lys Ser Ser Lys Ser Asn Glu
 50 55 60

<210> 5321
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5321
 Met Val Gly Glu Glu Lys Met Ser Leu Arg Asn Arg Leu Ser Lys Ser
 1 5 10 15
 Arg Glu Asn Pro Glu Glu Asp Glu Asp Gln Arg Asn Pro Ala Lys Glu
 20 25 30

Ser Leu Glu Thr Pro Ser Asn Gly Arg Ile Asp Ile Lys Gln Leu Ile
 35 40 45
 Ala Lys Lys Ile Lys Leu Thr Ala Glu Ala Glu Glu Leu Lys Pro Phe
 50 55 60
 Phe Met Lys Glu Val Xaa Ser His Phe Asp Asp
 65 70 75

<210> 5322
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 5322
 Met Arg Gly Gln Arg Leu Pro Leu Asp Ile Gln Ile Phe Tyr Cys Ala
 1 5 10 15
 Arg Pro Asp Glu Glu Pro Phe Val Lys Ile Ile Thr Val Glu Glu Ala
 20 25 30
 Lys Arg Arg Lys Ser Thr Cys Ser Tyr Tyr Glu Asp Glu Asp Glu Glu
 35 40 45
 Val Leu Pro Val Leu Arg Pro His Ser Ala Leu Leu Glu Asn Met His
 50 55 60
 Ile Glu Gln Leu Ala Arg Arg Leu Pro Ala Arg Val Gln Gly Tyr Pro
 65 70 75 80
 Trp Arg Leu Ala Tyr Ser Thr Leu Glu His Gly Thr
 85 90

<210> 5323
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 5323
 Met Ala Asn Leu Glu Arg Thr Phe Ile Ala Ile Lys Pro Asp Gly Val
 1 5 10 15
 Gln Arg Gly Leu Val Gly Glu Ile Ile Lys Arg Phe Glu Gln Lys Gly
 20 25 30
 Phe Arg Leu Val Ala Met Lys Phe Leu Arg Ala Ser Glu Glu His Leu
 35 40 45
 Lys Gln His Tyr Ile Asp Leu Lys Asp Arg Pro Phe Phe Pro Gly Leu
 50 55 60
 Val Lys Tyr Met Asn Ser Gly Pro Val Val Ala Met Val Arg Glu Gly
 65 70 75 80
 Leu Asn Val Val Lys Thr Gly Arg Val Met Leu Gly Glu Thr Asn Pro
 85 90 95
 Ala Asp Ser Lys Pro Gly Thr Ile Arg Gly Asp Phe Cys Ile Gln Val
 100 105 110
 Gly Arg Asn Ile Ile
 115

<210> 5324
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 5324

Met Ala Asp Phe Gly Ile Ser Ala Gly Gln Phe Val Ala Val Val Trp
1 5 10 15
Asp Lys Ser Ser Pro Val Glu Ala Leu Lys Gly Leu Val Asp Lys Leu
20 25 30
Gln Ala Leu Thr Gly Asn Glu Gly Arg Val Ser Val Glu Asn Ile Lys
35 40 45
Gln Leu Leu Gln Cys Leu Val Pro Gly Ser Thr Thr Leu His Ser Ala
50 55 60
Glu Ile Leu Ala Glu Ile Ala Arg Ile Leu Arg Pro Gly Gly Cys Leu
65 70 75 80
Phe Leu Lys

<210> 5325

<211> 153

<212> PRT

<213> Homo sapiens

<400> 5325

Met Ala Thr Glu Ile Gly Ser Pro Pro Arg Phe Phe His Met Pro Arg
1 5 10 15
Phe Gln His Gln Ala Pro Arg Gln Leu Phe Tyr Lys Arg Pro Asp Phe
20 25 30
Ala Gln Gln Gln Ala Met Gln Gln Leu Thr Phe Asp Gly Lys Arg Met
35 40 45
Arg Lys Ala
50

<210> 5326

<211> 309

<212> PRT

<213> Homo sapiens

<400> 5326

Met Ala Ala Ile Arg Lys Lys Leu Val Ile Val Gly Asp Gly Ala Cys
1 5 10 15
Gly Lys Thr Cys Leu Leu Ile Val Phe Ser Lys Asp Gln Phe Pro Glu
20 25 30
Val Tyr Val Pro Thr Val Phe Glu Asn Tyr Val Ala Asp Ile Glu Val
35 40 45
Asp Gly Lys Gln Val Glu Leu Ala Leu Trp Asp Thr Ala Gly Gln Glu
50 55 60
Asp Tyr Asp Arg Leu Arg Pro Leu Ser Tyr Pro Asp Thr Asp Val Ile
65 70 75 80
Leu Met Cys Phe Ser Ile Asp Ser Pro Asp Xaa Leu Glu Asn Ile Pro
85 90 95
Glu Lys Trp Thr Gln Lys Ser
100

<210> 5327

<211> 309

<212> PRT

<213> Homo sapiens

<400> 5327

Met Thr Glu Cys Cys Ser Val Thr Gln Ala Gly Val Gln Trp His Asp
1 5 10 15
Leu Gly Ser Leu Gln Pro Pro Pro Pro Gly Phe Lys Arg Phe Ser Cys
20 25 30
Leu Ser Leu Pro Ser Ser Trp Asp Tyr Arg Leu Glu Cys Asp Gly Met
35 40 45
Ile Leu Ala His Gly Lys Leu Arg Leu Pro Gly Ser Ser Asp Ser Pro
50 55 60
Ala Ser Ala Ser Arg Val Ala Gly Ile Thr Gly Met Cys Xaa His Ala
65 70 75 80
Pro Leu Ala Arg Leu Val Ser Xaa Thr Leu Pro Gln Val Ile Ser His
85 90 95
Leu Trp Asp Tyr Arg Pro Ala
100

<210> 5328

<211> 393

<212> PRT

<213> Homo sapiens

<400> 5328

Met Lys Leu Leu Thr Arg Ala Gly Ser Phe Ser Arg Phe Tyr Ser Leu
1 5 10 15
Lys Val Ala Pro Lys Val Lys Ala Thr Ala Ala Pro Ala Gly Ala Pro
20 25 30
Pro Gln Pro Gln Asp Leu Glu Phe Thr Lys Leu Pro Asn Gly Leu Val
35 40 45
Ile Ala Ser Leu Glu Asn Tyr Ser Pro Val Ser Arg Ile Gly Leu Phe
50 55 60
Ile Lys Ala Gly Ser Arg Tyr Glu Asp Phe Ser Asn Leu Gly Thr Thr
65 70 75 80
His Leu Leu Arg Leu Thr Ser Ser Leu Thr Thr Lys Gly Ala Ser Ser
85 90 95
Phe Lys Ile Thr Arg Gly Ile Glu Ala Val Gly Gly Lys Leu Ser Val
100 105 110
Thr Ala Thr Arg Glu Asn Met Ala Tyr Thr Val Glu Cys Leu Arg Gly
115 120 125
Asp Val Asp
130

<210> 5329

<211> 168

<212> PRT

<213> Homo sapiens

<400> 5329

Met Gly Pro Arg Lys Lys Ser Val Lys Thr Cys Ile Met Asn Asn Glu
1 5 10 15
Ile Pro Glu Glu Met Thr Ala Asp Glu Thr Lys Asp Tyr Met Asn Gln
20 25 30
Leu Ser His Glu Val Leu Cys His Ile Phe Arg Tyr Leu Pro Leu Gln
35 40 45
Asp Ile Met Cys Met Phe Phe Pro

50

55

<210> 5330
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 5330
 Met Thr Glu Val Met Lys Val Arg Lys Arg Trp Leu Gly Ile Val Ala
 1 5 10 15
 His Ala Tyr Asn Phe Ser Thr Leu Gly Gly Arg Xaa Arg Arg Ile Ser
 20 25 30
 Trp Gly Gln Glu Phe Glu Thr Ser Leu Gly Asn Thr Asp Thr Phe Ser
 35 40 45
 Thr Lys Lys Lys
 50

<210> 5331
 <211> 609
 <212> PRT
 <213> Homo sapiens

<400> 5331
 Met Ser Arg Gly Ser Ser Ala Gly Phe Asp Arg His Ile Thr Ile Phe
 1 5 10 15
 Ser Pro Glu Gly Arg Leu Tyr Gln Val Glu Tyr Ala Phe Lys Ala Ile
 20 25 30
 Asn Gln Gly Gly Leu Thr Ser Val Ala Val Arg Gly Lys Asp Cys Ala
 35 40 45
 Val Ile Val Thr Gln Lys Lys Val Pro Asp Lys Leu Leu Asp Ser Ser
 50 55 60
 Thr Val Thr His Leu Phe Lys Ile Thr Glu Asn Ile Gly Cys Val Met
 65 70 75 80
 Thr Gly Met Thr Ala Asp Ser Arg Ser Gln Val Gln Arg Ala Arg Tyr
 85 90 95
 Glu Ala Ala Asn Trp Lys Tyr Lys Tyr Gly Tyr Glu Ile Pro Val Asp
 100 105 110
 Met Leu Xaa Xaa Arg Ile Ala Asp Ile Ser Gln Val Tyr Thr Gln Asn
 115 120 125
 Ala Glu Met Arg Pro Leu Gly Cys Cys Met Ile Leu Ile Gly Ile Asp
 130 135 140
 Glu Glu Gln Gly Pro Gln Val Tyr Lys Cys Asp Pro Ala Gly Tyr Tyr
 145 150 155 160
 Cys Gly Phe Lys Ala Thr Ala Ala Gly Val Lys Gln Thr Glu Ser Thr
 165 170 175
 Ser Phe Leu Glu Lys Xaa Val Lys Lys Lys Phe Asp Trp Thr Phe Glu
 180 185 190
 Gln Thr Val Glu Thr Ala Ile Thr Cys Leu Ser
 195 200

<210> 5332
 <211> 552
 <212> PRT
 <213> Homo sapiens

<400> 5332

Met Ala Gly Leu Arg Arg Glu Tyr Ala Phe Lys Ala Ile Asn Gln Gly
 1 5 10 15
 Gly Leu Thr Ser Val Ala Val Arg Gly Lys Asp Cys Ala Val Ile Val
 20 25 30
 Thr Gln Lys Lys Val Pro Asp Lys Leu Leu Asp Ser Ser Thr Val Thr
 35 40 45
 His Leu Phe Lys Ile Thr Glu Asn Ile Gly Cys Val Met Thr Gly Met
 50 55 60
 Thr Ala Asp Ser Arg Ser Gln Val Gln Arg Ala Arg Tyr Glu Ala Ala
 65 70 75 80
 Asn Trp Lys Tyr Lys Tyr Gly Tyr Glu Ile Pro Val Asp Met Leu Cys
 85 90 95
 Lys Arg Ile Ala Asp Ile Ser Gln Val Tyr Thr Gln Asn Ala Glu Met
 100 105 110
 Arg Pro Leu Gly Cys Cys Met Ile Xaa Ile Gly Ile Asp Glu Glu Gln
 115 120 125
 Gly Pro Gln Val Tyr Lys Cys Asp Pro Ala Gly Tyr Tyr Cys Gly Phe
 130 135 140
 Lys Ala Thr Ala Ala Gly Val Lys Gln Thr Glu Ser Thr Ser Phe Leu
 145 150 155 160
 Glu Lys Xaa Val Lys Lys Lys Phe Asp Trp Thr Phe Glu Gln Thr Val
 165 170 175
 Glu Thr Ala Ile Thr Cys Leu Ser
 180

<210> 5333

<211> 237

<212> PRT

<213> Homo sapiens

<400> 5333

Met Asn Arg Asn Val Cys Pro Tyr Val Arg Ile Gly Asn Asn Gly Glu
 1 5 10 15
 Asp Gln Leu Ile Lys Asp Val Leu Asp Lys Phe Leu Asn Cys His Glu
 20 25 30
 Gln Thr Tyr Asp Glu Glu Phe Leu Asn Thr Phe Thr His Leu Ser Gln
 35 40 45
 Glu Asp His Val Ser Lys Xaa Gly Val Phe Gly Thr Asp Ser Ser Glu
 50 55 60
 Asn Ile Phe Thr Ser Ala Lys Val Thr His Lys Asn Glu Ala Asp
 65 70 75

<210> 5334

<211> 243

<212> PRT

<213> Homo sapiens

<400> 5334

Met Met Thr Ser Val Gly Thr Asn Arg Ala Arg Gly Asn Trp Glu Gln
 1 5 10 15
 Pro Gln Asn Gln Asn Gln Thr Gln His Lys Gln Arg Pro Gln Ala Thr
 20 25 30

Ala Glu Gln Ile Arg Leu Ala Gln Met Ile Ser Asp His Asn Asp Ala
 35 40 45
 Asp Phe Glu Glu Lys Val Lys Gln Leu Ile Asp Ile Thr Gly Lys Asn
 50 55 60
 Gln Asp Glu Cys Val Ile Ala Leu His Asp Cys Asn Gly Asp Val Asn
 65 70 75 80
 Arg

<210> 5335
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 5335
 Met Glu Leu Arg Val Gly Asn Arg Tyr Arg Leu Gly Arg Lys Ile Gly
 1 5 10 15
 Ser Gly Ser Phe Gly Asp Ile Tyr Leu Gly Thr Asp Ile Ala Ala Gly
 20 25 30
 Glu Glu Val Ala Ile Lys Leu Glu Cys Val Lys Thr Lys His Pro Gln
 35 40 45
 Leu His Ile Glu Ser Lys Ile Tyr Lys Met Met Gln Gly Gly Val Gly
 50 55 60
 Ile Pro Thr Ile Arg Trp Cys Gly Ala Glu Gly Asp Tyr Asn Val Met
 65 70 75 80
 Val Met Glu Leu Leu Gly Pro Ser Leu Glu Asp Leu Phe Asn Phe Cys
 85 90 95
 Ser Arg Lys Phe Ser Leu Lys Thr Val Leu Xaa Leu Ala Asp Gln Met
 100 105 110
 Ile Ser Arg Ile Glu Tyr Ile His Ser Lys Asn Phe
 115 120

<210> 5336
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5336
 Met Ser Ser Phe Gly Ala Gly Lys Thr Lys Glu Val Ile Phe Ser Val
 1 5 10 15
 Glu Asp Gly Ser Val Lys Met Phe Leu Arg Gly Arg Pro Val Pro Met
 20 25 30
 Met Ile Pro Asp Glu Leu Ala Pro Thr Tyr Ser Leu Asp Thr Arg Ser
 35 40 45
 Glu Leu Pro Ser Cys Arg Leu Lys Leu Glu Trp Val Tyr Gly Tyr Arg
 50 55 60
 Gly Arg Asp Cys Arg Ala Asn Leu Tyr Leu Leu
 65 70 75

<210> 5337
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 5337

Met Ala Pro Pro Ser Pro Ser Asn Ser Thr Pro Asn Ser Ser Ser Gly
 1 5 10 15
 Ser Asn Gly Asn Asp Gln Leu Ser Lys Thr Asn Leu Tyr Ile Arg Gly
 20 25 30
 Leu Gln Pro Gly Thr Thr Asp Gln Asp Leu Val Lys Leu Cys Gln Pro
 35 40 45
 Tyr Gly Lys Ile Val Ser Thr Lys Ala Xaa Leu Xaa Lys Thr Thr Xaa
 50 55 60
 Xaa Cys Xaa Gly Tyr Gly Phe Val Asp
 65 70

<210> 5338
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5338
 Met Cys Asn Thr Pro Thr Tyr Cys Asp Leu Gly Lys Ala Xaa Lys Asp
 1 5 10 15
 Val Phe Asn Lys Gly Tyr Gly Phe Gly Met Val Lys Ile Asp Leu Lys
 20 25 30
 Thr Lys Ser Cys Ser Gly Val Met Glu Phe Ser Thr Ser Gly His Ala
 35 40 45
 Tyr Thr Asp Thr Gly Lys Ala Ser Gly Asn Leu Glu Thr Lys Tyr Lys
 50 55 60
 Val Cys Asn Tyr Gly Leu Thr Phe Thr Gln Lys Trp Asn Thr Asp Asn
 65 70 75 80
 Thr Leu Gly Thr Glu Ile Ser Trp Glu Asn Lys Leu Ala Glu Gly Leu
 85 90 95
 Lys Leu Thr Leu Asp Thr Ile Phe Val
 100 105

<210> 5339
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 5339
 Met Gly Xaa Trp Arg Phe Tyr Gly Ala Ala Leu Thr Asp Ser Gly Gln
 1 5 10 15
 Ala Thr Arg Arg Ile Asn Trp Asn Ser Ser Lys Cys Gln Val Trp Tyr
 20 25 30
 Pro Gln Pro Leu Asn Ser Leu Gln Val Lys Trp Lys Ile Lys Gln Asn
 35 40 45
 His Gln Ile Gln Gly Leu Met Leu Leu Leu Asn Thr Val Leu Ile Xaa
 50 55 60
 Leu Pro Gly Pro Pro Gly Asn Ser Cys Pro Ser Thr Tyr Trp Leu Pro
 65 70 75 80
 Glu Leu Ala Met Gly
 85

<210> 5340
 <211> 228
 <212> PRT

<213> Homo sapiens

<400> 5340

Met Asp Gly Phe Tyr Asp Gln Gln Val Pro Tyr Met Val Thr Asn Ser
1 5 10 15
Gln Arg Gly Arg Asn Cys Asn Glu Lys Pro Thr Asn Val Arg Lys Arg
20 25 30
Lys Phe Ile Asn Arg Asp Leu Ala His Asp Ser Glu Glu Leu Phe Gln
35 40 45
Asp Leu Ser Gln Leu Gln Glu Thr Trp Leu Ala Glu Xaa Xaa Xaa Pro
50 55 60
Asp Asn Asp Glu Gln Phe Val Pro Asp Tyr Gln Ala
65 70 75

<210> 5341

<211> 219

<212> PRT

<213> Homo sapiens

<400> 5341

Met Glu Arg Ser Pro Ser Arg Arg Arg Arg Leu Glu Glu Ala Pro Ile
1 5 10 15
Pro Lys Asp Asp Leu Asp Phe Arg Leu Ala Ala Leu Tyr Asn His His
20 25 30
Thr Gly Thr Phe Lys Asn Lys Ser Glu Ile Leu Leu Asn Gln Lys Thr
35 40 45
Thr Gln Asp Thr Tyr Arg Thr Lys Ile Gln Phe Pro Gly Glu Phe Leu
50 55 60
Thr Pro Pro Thr Pro Pro Ile Thr Phe
65 70

<210> 5342

<211> 180

<212> PRT

<213> Homo sapiens

<400> 5342

Met Gly Leu Ser His Ser Lys Thr His Leu Arg Val Ile Lys Val Ala
1 5 10 15
Pro Leu Gln Xaa Lys Glu Val Glu Thr Pro Ser Ala Gly Arg Val Asp
20 25 30
Phe Ala Phe Asn Gln Asn Leu Glu Lys Thr Ser Tyr Ser Leu Ala
35 40 45
Arg Leu Gln Asp Gln Asn Lys Ala Leu Glu Gly Gln
50 55 60

<210> 5343

<211> 228

<212> PRT

<213> Homo sapiens

<400> 5343

Met Ser Cys Leu Thr Lys Glu Asp Thr Gly Trp Tyr Trp Cys Gly Ile
1 5 10 15

Gln Arg Asp Phe Ala Arg Asp Asp Met Asp Phe Thr Glu Leu Ile Val
 20 25 30
 Thr Asp Asp Lys Gly Thr Leu Ala Asn Asp Phe Trp Ser Gly Lys Asp
 35 40 45
 Leu Ser Gly Asn Lys Thr Arg Ser Cys Lys Ala Pro Lys Val Val Arg
 50 55 60
 Lys Ala Xaa Arg Ser Arg Thr Ser Ile Leu Ile Ile
 65 70 75

<210> 5344
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 5344
 Met Ile Glu Asp Ser Gly Lys Arg Gly Asn Thr Met Ala Glu Arg Arg
 1 5 10 15
 Gln Leu Phe Ala Glu Met Arg Ala Gln Asp Leu Asp Arg Ile Arg Leu
 20 25 30
 Ser Thr Tyr Arg Thr Ala Cys Lys Leu Arg Phe Val Gln Lys Lys Cys
 35 40 45
 Asn Leu His Leu Val Asp Ile Trp Asn Val Ile Glu Ala Leu Arg Glu
 50 55 60
 Asn Ala Leu Asn Asn Leu Asp Pro Asn Thr Glu Leu Asn Val Ser Arg
 65 70 75 80
 Leu Glu Ala Val Leu Ser Thr Ile Phe Tyr
 85 90

<210> 5345
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 5345
 Met Ala Asn Cys Gln Ile Ala Ile Leu Tyr Gln Arg Phe Gln Arg Val
 1 5 10 15
 Val Phe Gly Ile Ser Gln Leu Leu Cys Phe Ser Ala Leu Ile Ser Glu
 20 25 30
 Leu Thr Asn Gln Lys Glu Val Ala Ala Trp Thr Tyr His Tyr Ser Thr
 35 40 45
 Lys Ala Tyr Ser Trp Asn Ile Ser Arg Lys Tyr Cys Gln Asn Arg Tyr
 50 55 60
 Thr Asp Leu Val
 65

<210> 5346
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5346
 Met Glu Tyr Glu Arg Ser Pro Leu Glu Arg Lys Gly Gln Thr Leu Cys
 1 5 10 15
 Phe His Glu Ser Glu Asp Leu Ala Glu Pro Val Pro Gln Gly Tyr Cys

20 25 30
 Ile His Ser Leu Ser Leu Lys Gly Cys Ala Thr Ser Arg Met Ser Leu
 35 40 45
 Leu Asp Phe Glu Ile Ser Asn Cys Leu Pro
 50 55

<210> 5347
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5347
 Met Glu Tyr Glu Arg Ser Pro Leu Glu Arg Lys Gly Gln Thr Leu Cys
 1 5 10 15
 Phe His Glu Ser Glu Asp Leu Ala Glu Pro Val Pro Gln Gly Tyr Cys
 20 25 30
 Ile His Ser Leu Ser Leu Lys Gly Cys Ala Thr Ser Arg Met Ser Leu
 35 40 45
 Leu Asp Phe Glu Ile Ser Asn Cys Leu Pro
 50 55

<210> 5348
 <211> 414
 <212> PRT
 <213> Homo sapiens

<400> 5348
 Met Glu Glu Tyr Ala Arg Glu Pro Cys Pro Trp Arg Ile Val Asp Asp
 1 5 10 15
 Cys Gly Gly Ala Phe Thr Met Gly Thr Ile Gly Gly Gly Ile Phe Gln
 20 25 30
 Ala Ile Lys Gly Phe Arg Asn Ser Pro Val Gly Val Asn His Arg Leu
 35 40 45
 Arg Gly Ser Leu Thr Ala Ile Lys Thr Arg Ala Pro Gln Leu Gly Gly
 50 55 60
 Ser Phe Ala Val Trp Gly Gly Leu Phe Ser Met Ile Asp Cys Ser Met
 65 70 75 80
 Val Gln Val Arg Gly Lys Glu Asp Pro Trp Asn Ser Ile Thr Ser Gly
 85 90 95
 Ala Leu Thr Gly Ala Ile Leu Ala Ala Arg Asn Gly Pro Val Ala Met
 100 105 110
 Val Gly Ser Ala Ala Met Gly Gly Ile Leu Leu Ala Leu Ile Glu Gly
 115 120 125
 Ala Gly Ile Leu Leu Thr Arg Phe Ala Ser
 130 135

<210> 5349
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 5349
 Met Ala Ala Ser Ser Ser Gly Glu Lys Glu Lys Glu Arg Leu Gly Gly
 1 5 10 15

Gly Leu Gly Val Ala Gly Gly Asn Ser Thr Arg Glu Arg Leu Leu Ser
 20 25 30
 Ala Leu Glu Asp Leu Glu Val Leu Ser Arg Glu Leu Ile Glu Met Leu
 35 40 45
 Ala Ile Ser Arg Asn Gln Lys Leu Leu Gln Ala Gly Glu Glu Asn Gln
 50 55 60
 Val Leu Glu Leu Leu Ile His Arg Asp Gly Glu Phe Gln Glu Leu Met
 65 70 75 80
 Lys Leu Ala Leu Asn Gln Gly
 85

<210> 5350
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5350
 Met Ala Lys Glu Trp Gly Tyr Ala Ser His Asn Gly Pro Asp His Trp
 1 5 10 15
 His Glu Leu Phe Pro Asn Ala Lys Gly Glu Asn Gln Ser Pro Val Glu
 20 25 30
 Leu His Thr Lys Asp Ile Arg His Asp Pro Ser Leu Gln Pro Trp Ser
 35 40 45
 Val Ser Tyr Asp Gly Gly Ser Ala Lys Thr Ile Leu Asn Asn Gly Lys
 50 55 60
 Thr Cys Arg Val Val Phe Asp Asp Thr Tyr Asp Arg Ser Met Leu Arg
 65 70 75 80
 Gly Gly Pro Leu Pro Gly Pro Tyr Arg Leu Arg Gln Phe His Leu His
 85 90 95
 Trp Gly Ser Ser Asp Asp His Gly Ser
 100 105

<210> 5351
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 5351
 Met Thr Glu Gln Met Thr Leu Arg Gly Thr Leu Lys Gly His Asn Gly
 1 5 10 15
 Trp Val Thr Gln Ile Ala Thr Thr Pro Gln Phe Pro Asp Met Ile Leu
 20 25 30
 Ser Ala Ser Arg Asp Lys Thr Ile Ile Met Trp Lys Leu Thr Arg Asp
 35 40 45
 Glu Thr Asn Tyr Gly Ile Pro Gln Arg Ala Leu Arg Gly His Ser His
 50 55 60
 Phe Val Ser Asp Val Val Ile Ser Ser Asp Gly Gln Phe Ala Leu Ser
 65 70 75 80
 Gly Ser Trp Asp Gly Thr Leu Arg Leu Trp Asp Leu Thr Thr Gln Val
 85 90 95
 Xaa Ala His Leu
 100

<210> 5352

<211> 405
 <212> PRT
 <213> Homo sapiens

<400> 5352

Met	Ser	Cys	Arg	Gln	Asp	Gly	Gly	Arg	Gly	Gly	Arg	Gly	Met	Val	Ala
1				5					10					15	
Asp	Trp	Leu	Gln	Gln	Ser	Tyr	Gln	Ala	Val	Lys	Glu	Lys	Ser	Ser	Glu
		20						25					30		
Ala	Leu	Glu	Phe	Met	Lys	Arg	Asp	Leu	Thr	Glu	Phe	Thr	Gln	Val	Val
		35					40					45			
Gln	His	Asp	Thr	Ala	Cys	Thr	Ile	Ala	Ala	Thr	Ala	Ser	Val	Val	Lys
	50					55					60				
Glu	Lys	Leu	Ala	Thr	Glu	Gly	Ser	Ser	Gly	Ala	Thr	Glu	Lys	Met	Lys
65					70					75				80	
Lys	Gly	Leu	Ser	Asp	Phe	Leu	Gly	Val	Ile	Ser	Asp	Thr	Phe	Ala	Pro
			85					90					95		
Ser	Pro	Asp	Lys	Thr	Ile	Asp	Cys	Asp	Val	Ile	Thr	Leu	Met	Gly	Thr
			100					105					110		
Pro	Ser	Gly	Thr	Ala	Glu	Pro	Met	Met	Ala	Pro	Arg	Leu	Ala	Ser	Ile
		115					120						125		
Ala	Cys	Ser	Arg	Thr	Gln	Gln									
	130					135									

<210> 5353
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5353

Met	Trp	Ala	Gln	Pro	Leu	Leu	Trp	Ala	His	Pro	His	Thr	Val	Pro	Leu
1				5					10					15	
Ser	Pro	Leu	Ser	Phe	Pro	Gln	Arg	Ala	Met	Thr	Val	Phe	His	Ala	Ala
		20						25					30		
Leu	Pro	Gly	Pro	Ala	Ile	Leu	Leu	Pro	Ala	Pro	Arg	Arg	Glu	Asp	Thr
		35				40						45			
Cys	Leu	Pro	Pro	Ser	Cys	Arg									
	50					55									

<210> 5354
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5354

Met	Ser	Ser	Leu	Ala	Val	Arg	Asp	Pro	Ala	Met	Asp	Arg	Ser	Leu	Arg
1				5					10					15	
Ser	Val	Phe	Val	Gly	Asn	Ile	Pro	Tyr	Glu	Ala	Thr	Glu	Glu	Gln	Leu
		20						25					30		
Lys	Asp	Ile	Phe	Ser	Glu	Val	Gly	Ser	Val	Val	Ser	Phe	Arg	Leu	Val
		35					40					45			
Tyr	Asp	Arg	Glu	Thr	Gly	Lys	Pro	Lys	Gly	Tyr	Gly	Phe	Cys	Glu	Tyr
	50					55					60				
Gln	Asp	Gln	Glu	Thr	Ala	Leu	Ser	Ala	Met	Arg	Asn	Leu	Asn	Gly	Arg

65 70 75 80
 Glu Phe Ser Gly Arg Ala Leu Arg Val Asp Asn Ala Ala Ser Glu Lys
 85 90 95
 Asn Lys Glu Glu Leu Lys Ser Leu Gly Pro
 100 105

<210> 5355
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 5355
 Met Thr Asp Val Pro Ala Thr Phe Thr Gln Ala Glu Cys Asn Gly Asp
 1 5 10 15
 Lys Pro Pro Glu Asn Gly Gln Gln Thr Ile Thr Lys Ile Ser Glu Glu
 20 25 30
 Leu Thr Asp Val Asp Ser Pro Leu Pro His Tyr Arg Val Glu Pro Ser
 35 40 45
 Leu Glu Gly Ala Leu Thr Lys Gly Ser Gln Glu Glu Arg Arg Lys Leu
 50 55 60
 Gln Gly Asn Met Leu Leu Asn Ser Ser Met Glu Asp Lys Met Leu Lys
 65 70 75 80
 Glu Asn Pro Glu Glu Lys Leu Phe Ile Val His Lys Ala Ile Thr Asp
 85 90 95
 Leu Ser Leu Gln Glu Thr Ser Ala Asp Glu Met Thr Phe Arg Glu
 100 105 110

<210> 5356
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 5356
 Met Ala Thr Ser Leu Gly Ser Asn Thr Tyr Asn Arg Gln Asn Trp Glu
 1 5 10 15
 Asp Ala Asp Phe Pro Ile Leu Cys Gln Thr Cys Leu Gly Glu Asn Pro
 20 25 30
 Tyr Ile Arg Met Thr Lys Glu Lys Tyr Gly Lys Glu Cys Lys Ile Cys
 35 40 45
 Ala Arg Pro Phe Thr Val Phe Arg Trp Cys Pro Gly Val Arg Met Arg
 50 55 60
 Phe Lys Lys Thr Glu Val Cys Gln Thr Cys Ser Lys Leu Lys Asn Val
 65 70 75 80
 Cys Gln Thr Cys Leu Leu Asp Leu Glu Tyr Gly Leu Pro Ile Gln Val
 85 90 95
 Arg Asp Ala Asp Cys Leu Leu Lys Met Thr Cys Gln Ser Gln Met Ser
 100 105 110
 Xaa Lys Ser Thr Ile His
 115

<210> 5357
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 5357

Met Ser Lys Arg Pro Ser Tyr Ala Pro Pro Pro Thr Pro Ala Pro Ala
1 5 10 15
Thr Gln Met Pro Ser Thr Pro Gly Phe Val Gly Tyr Asn Xaa Tyr Ser
20 25 30
His Leu Ala Tyr Asn Asn Tyr Arg Leu Gly Gly Asn Pro Gly Thr Xaa
35 40 45
Ser Arg Val Thr Val Gly Glu Ser Thr Ile Thr Ala Ser Gly Lys Gln
50 55 60
Leu Glu Leu Thr Arg Asn Ala Phe Arg Ile Arg Ser Phe Xaa Ile Ile
65 70 75 80
Ser Thr

<210> 5358

<211> 252

<212> PRT

<213> Homo sapiens

<400> 5358

Met Ser Lys Arg Pro Ser Tyr Ala Pro Pro Pro Thr Pro Ala Pro Ala
1 5 10 15
Thr Ala Ser Xaa Gly Ile Xaa Ile Pro Lys Pro Pro Lys Pro Pro Asp
20 25 30
Lys Pro Leu Met Pro Tyr Met Arg Tyr Ser Arg Lys Val Trp Asp Gln
35 40 45
Val Lys Ala Ser Asn Pro Asp Leu Lys Leu Trp Glu Ile Gly Lys Ile
50 55 60
Ile Gly Gly Met Trp Arg Asp Leu Thr Asp Glu Glu Lys Gln Glu Tyr
65 70 75 80
Leu Asn Glu Tyr

<210> 5359

<211> 357

<212> PRT

<213> Homo sapiens

<400> 5359

Met Ser Lys Arg Pro Ser Tyr Ala Pro Pro Pro Thr Pro Ala Pro Ala
1 5 10 15
Thr Gln Met Pro Ser Thr Pro Gly Phe Val Gly Tyr Asn Pro Tyr Ser
20 25 30
His Leu Ala Tyr Asn Asn Tyr Arg Leu Gly Gly Asn Pro Gly Thr Asn
35 40 45
Ser Arg Val Thr Ala Ser Ser Gly Ile Thr Ile Pro Lys Pro Pro Lys
50 55 60
Pro Pro Asp Lys Pro Leu Met Pro Tyr Met Arg Tyr Ser Arg Lys Val
65 70 75 80
Trp Asp Gln Val Xaa Ala Ser Asn Pro Asp Leu Lys Leu Trp Glu Ile
85 90 95
Gly Lys Ile Ile Gly Gly Met Trp Arg Asp Leu Thr Asp Glu Glu Lys
100 105 110
Gln Glu Tyr Leu Asn Glu Tyr
115

<210> 5360
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 5360
 Met Cys Met Gly Asp Ile Lys Ser Asn Met Xaa Xaa Leu Ile Tyr Glu
 1 5 10 15
 Ser Arg Gly Asp Arg Asp Leu His Cys Thr Glu Ser Gln Ser Glu Ala
 20 25 30
 Ser Thr Glu Glu Gly His Asp Ser Leu Ser Val Gly Ser Phe Glu Glu
 35 40 45
 Asp Ser Lys Ser Glu Phe Ile Leu Asp Pro Pro Lys Pro Lys Pro Pro
 50 55 60
 Ala Trp Phe Asn Gly Ile Leu Thr Trp Glu Asp Phe Glu Leu Val Asn
 65 70 75 80
 Pro His Arg Ala Arg Phe Leu Lys Glu Ile Lys Asp Leu Ala Ile Lys
 85 90 95
 Arg Arg Gln Ile Leu Ser Asn Lys Gly Leu Ser Glu Asp Glu
 100 105 110

<210> 5361
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 5361
 Met Ser Gly Arg Gly Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys
 1 5 10 15
 Thr Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val His
 20 25 30
 Arg Leu Leu Arg Lys Gly Asn Tyr Ser Glu Arg Val Gly Ala Gly Ala
 35 40 45
 Pro Val Tyr Leu Ala Ala Val Leu Glu Tyr Leu Thr Ala Glu Ile Leu
 50 55 60
 Glu Leu Ala Gly Asn Ala Ala Arg Asp Asn Lys Lys Thr Arg Ile Ile
 65 70 75 80
 Pro Arg His Leu Gln Leu Ala Ile Arg Asn Asp Glu Glu Leu Asn Lys
 85 90 95
 Leu Leu Gly Arg Val Thr Ile Ala Gln Gly Gly Val Leu Pro Thr Ser
 100 105 110
 Arg

<210> 5362
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 5362
 Met Pro Lys Ala Lys Gly Lys Thr Arg Arg Gln Lys Phe Gly Tyr Ser
 1 5 10 15
 Val Asn Arg Lys Arg Leu Asn Arg Asn Ala Arg Arg Lys Ala Ala Pro
 20 25 30

Arg Ile Glu Cys Ser His Ile Arg His Ala Trp Asp His Ala Lys Ser
 35 40 45
 Val Arg Gln Asn Leu Ala Glu Met Gly Leu Ala Val Asp Pro Asn Arg
 50 55 60
 Ala Val Pro Leu Arg Lys Arg Lys Val Lys Ala Met Glu Val Asp Ile
 65 70 75 80
 Glu Glu Arg Pro Lys Glu Leu Val Arg Lys Pro Tyr Val Leu Asn Asp
 85 90 95
 Leu Glu Ala Glu Ala Ser Leu Pro Glu Lys Lys Gly Asn Thr Leu Ser
 100 105 110
 Arg Asp Leu Ile Asp Tyr Val Arg Tyr Met
 115 120

<210> 5363
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 5363
 Met Leu Arg His Leu Met Tyr Lys Ile Lys Ser Thr Gly Pro Ile Thr
 1 5 10 15
 Val Ala Glu Tyr Met Lys Glu Val Leu Thr Asn Pro Ala Lys Gly Tyr
 20 25 30
 Tyr Val Tyr Arg Asp Met Leu Gly Glu Lys Gly Asp Phe Ile Thr Ser
 35 40 45
 Pro Glu Ile Ser Gln Ile Phe Gly Glu Leu Gln Val Tyr Gly Ser Leu
 50 55 60
 Val Asn Gly Trp Pro Leu Glu Lys Ala Gln Leu Ser Ser
 65 70 75

<210> 5364
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 5364
 Met Met Phe Lys His Phe Asp Lys Asp Lys Ser Gly Arg Leu Asn His
 1 5 10 15
 Gln Glu Phe Lys Ser Cys Leu Arg Ser Leu Gly Tyr Asp Leu Pro Met
 20 25 30
 Val Glu Glu Gly Glu Pro Asp Pro Glu Phe Glu Ala Ile Leu Asp Thr
 35 40 45
 Val Asp Pro Asn Arg Asp Gly His Val Ser Leu Gln Glu Tyr Met Ala
 50 55 60
 Phe
 65

<210> 5365
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 5365
 Met Glu Leu Ser Ala Glu Tyr Leu Arg Glu Lys Leu Gln Arg Asp Leu

1		5		10		15									
Glu	Ala	Xaa	Met	Trp	Arg	Trp	Arg	Thr	Arg	Pro	Ser	Thr	Val	Ala	Pro
		20					25						30		
Val	Ala	Ser	Glu	Ser	Trp	Trp	Cys	Arg	Pro	Ser	Ser	Arg	Gly	Asn	Arg
		35					40					45			
Cys	Phe	Arg	Asp	Thr	Gly	Ser	Val	Gln	Ser	Asn	Glu	Met	Cys	Asp	Gly
	50					55					60				

<210> 5366
 <211> 507
 <212> PRT
 <213> Homo sapiens

<400> 5366

Met	Ser	Gly	Ala	Leu	Asp	Val	Leu	Gln	Met	Lys	Glu	Glu	Asp	Val	Leu
1			5					10					15		
Lys	Phe	Leu	Ala	Ala	Gly	Thr	His	Leu	Gly	Gly	Thr	Asn	Leu	Asp	Phe
		20					25					30			
Gln	Met	Glu	Gln	Tyr	Ile	Tyr	Lys	Arg	Lys	Ser	Asp	Gly	Ile	Tyr	Ile
		35					40					45			
Ile	Asn	Leu	Lys	Arg	Thr	Trp	Glu	Lys	Leu	Leu	Leu	Ala	Ala	Arg	Ala
	50				55				60						
Ile	Val	Ala	Ile	Glu	Asn	Pro	Ala	Asp	Val	Ser	Val	Ile	Ser	Ser	Arg
65				70				75				80			
Asn	Thr	Gly	Gln	Arg	Ala	Val	Leu	Lys	Phe	Ala	Ala	Ala	Thr	Gly	Ala
			85					90				95			
Thr	Pro	Ile	Ala	Gly	Arg	Phe	Thr	Pro	Gly	Thr	Phe	Thr	Asn	Gln	Ile
		100					105					110			
Gln	Ala	Ala	Phe	Arg	Glu	Pro	Arg	Leu	Leu	Val	Val	Thr	Asp	Pro	Arg
		115				120						125			
Ala	Asp	His	Gln	Pro	Leu	Thr	Glu	Ala	Ser	Tyr	Val	Asn	Leu	Pro	Thr
	130				135					140					
Ile	Ala	Leu	Cys	Asn	Thr	Asp	Ser	Pro	Leu	Arg	Tyr	Val	Asp	Ile	Ala
145				150				155						160	
Ile	Pro	Cys	Asn	Asn	Lys	Gly	Ala	His							
			165												

<210> 5367
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5367

Met	Arg	Ala	Val	Leu	Xaa	Phe	Ala	Ala	Ala	Thr	Gly	Ala	Thr	Pro	Ile
1			5					10					15		
Ala	Gly	Arg	Phe	Thr	Pro	Gly	Thr	Phe	Thr	Asn	Gln	Ile	Gln	Ala	Ala
		20					25					30			
Phe	Arg	Glu	Pro	Arg	Leu	Xaa	Val	Val	Thr	Asp	Pro	Arg	Ala	Asp	His
		35				40					45				
Gln	Pro	Leu	Thr	Glu	Ala	Ser	Tyr	Val	Asn	Leu	Pro	Thr	Ile	Ala	Leu
	50				55					60					
Cys	Asn	Thr	Asp	Ser	Pro	Leu	Arg	Tyr	Val	Asp	Ile	Ala	Ile	Pro	Cys
65				70				75						80	
Asn	Asn	Lys	Gly	Ala	His										

<210> 5368
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5368
 Met Arg Ala Val Leu Xaa Phe Ala Ala Ala Thr Gly Ala Thr Pro Ile
 1 5 10 15
 Ala Gly Arg Phe Thr Pro Gly Thr Phe Thr Asn Gln Ile Gln Ala Ala
 20 25 30
 Phe Arg Glu Pro Arg Leu Xaa Val Val Thr Asp Pro Arg Ala Asp His
 35 40 45
 Gln Pro Leu Thr Glu Ala Ser Tyr Val Asn Leu Pro Thr Ile Ala Leu
 50 55 60
 Cys Asn Thr Asp Ser Pro Leu Arg Tyr Val Asp Ile Ala Ile Pro Cys
 65 70 75 80
 Asn Asn Lys Gly Ala His
 85

<210> 5369
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5369
 Met Pro Ala Ser Leu Lys Thr Pro Ala Thr Glu Glu Gly Asn Gln His
 1 5 10 15
 Glu Asn Thr Ala Ser Ser Ser Arg Cys Pro Met Thr Ser Pro Cys Thr
 20 25 30
 Leu Gln Pro Ile Asn Asp Leu His Thr Trp Asp His Ser Lys Thr Leu
 35 40 45
 Lys Asn Leu Arg Leu Lys Val Leu Leu Glu Thr Asn Leu Arg Phe Pro
 50 55 60
 Pro Ile Cys Val Trp Xaa Pro Met Ile Lys Pro Leu Ser Leu Leu Gln
 65 70 75 80
 Pro

<210> 5370
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 5370
 Met Ala Arg Thr Lys Gln Thr Ala Arg Lys Ser Thr Gly Gly Lys Ala
 1 5 10 15
 Pro Arg Lys Gln Leu Ala Thr Lys Ala Ala Arg Lys Ser Ala Pro Ser
 20 25 30
 Thr Gly Gly Val Lys Lys Pro His Arg Tyr Arg Pro Gly Thr Val Ala
 35 40 45
 Leu Arg Glu Ile Arg Arg Tyr Gln Lys Ser Thr Glu Leu Leu Ile Arg
 50 55 60
 Lys Leu Pro Phe Gln Arg Leu Val Arg Glu Ile Ala Gln Asp Phe Lys

65 70 75 80
 Thr Asp Leu Arg Phe Gln Ser Ala Xaa Ser Val Arg Cys Arg Arg Leu
 85 90 95
 Ala Lys Xaa Pro Gly Gly Ser Val Arg Arg Tyr Gln
 100 105

<210> 5371
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 5371
 Met Tyr Lys Glu Glu Leu Val Pro Phe Arg Leu Lys Leu Phe Gln Lys
 1 5 10 15
 Ile Glu Glu Glu Glu Leu Leu Pro Asn Leu Phe Tyr Glu Ala Ser Ile
 20 25 30
 Thr Leu Asp Ile Lys Ile Gln Gln Arg Tyr Thr Lys Lys Thr Lys Lys
 35 40 45
 Glu Lys Glu Asn Phe Lys Pro Ile Ser
 50 55

<210> 5372
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5372
 Met Val Ala Met Ala Glu Ala Glu Ala Gly Val Ala Val Glu Val Arg
 1 5 10 15
 Gly Leu Pro Pro Ala Val Pro Asp Glu Leu Leu Thr Leu Tyr Phe Glu
 20 25 30
 Asn Arg Arg Arg Ser Gly Gly Gly Pro Val Leu Ser Trp Gln Arg Leu
 35 40 45
 Gly Cys Gly Gly Val Leu Thr Phe Arg Glu Pro Ala Asp Ala Glu Arg
 50 55 60
 Val Leu Ala Gln Ala Asp His Glu Xaa His Gly Ala
 65 70 75

<210> 5373
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 5373
 Met Asp Met Ile Arg Ala Gln Glu Gln Lys Arg Asp Leu His Asp Gln
 1 5 10 15
 Phe Gln His Gln Leu Lys Cys Ser Asn Asp Ser Phe Ser Val Ile Ala
 20 25 30
 Asp Tyr Phe Gly Arg Gly Val Phe Asn Lys Leu Thr Leu Xaa Thr Asp
 35 40 45
 Pro Pro Xaa Ala Arg Xaa Thr Ser Ser Leu Glu Ala Gly Leu Gln Arg
 50 55 60

<210> 5374

<211> 297
 <212> PRT
 <213> Homo sapiens

<400> 5374

Met	Ser	Ala	Ala	Met	Arg	Glu	Arg	Phe	Asp	Arg	Phe	Leu	His	Glu	Lys
1				5					10					15	
Asn	Cys	Met	Thr	Asp	Leu	Leu	Ala	Lys	Leu	Glu	Ala	Lys	Thr	Gly	Val
			20					25					30		
Asn	Arg	Ser	Phe	Ile	Ala	Leu	Gly	Val	Ile	Gly	Leu	Val	Ala	Leu	Tyr
		35					40					45			
Leu	Val	Phe	Gly	Tyr	Gly	Ala	Ser	Leu	Leu	Cys	Asn	Leu	Ile	Gly	Phe
	50					55				60					
Gly	Tyr	Pro	Ala	Tyr	Ile	Ser	Ile	Lys	Ala	Ile	Glu	Ser	Pro	Asn	Lys
65				70					75					80	
Glu	Asp	Asp	Thr	Gln	Trp	Leu	Thr	Tyr	Trp	Val	Val	Tyr	Gly	Val	Phe
				85					90					95	

Ser Ile Ala

<210> 5375
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 5375

Met	Glu	Leu	Asp	Phe	Gly	His	Phe	Asp	Glu	Arg	Asp	Lys	Thr	Ser	Arg
1				5					10					15	
Asn	Met	Arg	Gly	Ser	Arg	Met	Asn	Gly	Leu	Pro	Ser	Pro	Thr	His	Ser
			20					25					30		
Ala	His	Cys	Ser	Phe	Tyr	Arg	Thr	Arg	Thr	Leu	Gln	Ala	Leu	Ser	Asn
		35					40					45			
Glu	Lys	Lys	Ala	Lys	Lys	Val	Xaa	Phe	Tyr	Arg	Asn	Gly	Asp	Arg	Tyr
	50					55					60				
Phe	Lys	Gly	Ile	Val	Tyr	Ala	Val	Ser	Ser	Asp	Arg	Phe	Arg	Ser	Phe
65				70					75					80	
Asp	Ala	Leu	Leu	Ala	Asp	Leu	Thr	Arg	Ser	Leu	Xaa	Asp	Asn	Ile	Xaa
				85					90					95	
Leu	Pro	Gln	Gly	Val	Arg	Tyr	Ile	Tyr	Thr	Ile	Asp	Gly	Ser	Lys	Glu
			100					105					110		

Asp Arg Lys
115

<210> 5376
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 5376

Met	Ala	Thr	Ile	Thr	Cys	Thr	Arg	Phe	Thr	Glu	Glu	Tyr	Gln	Leu	Phe
1				5					10					15	
Glu	Glu	Leu	Gly	Lys	Gly	Ala	Phe	Ser	Val	Val	Arg	Arg	Cys	Val	Lys
			20					25					30		
Val	Leu	Ala	Gly	Gln	Glu	Tyr	Ala	Ala	Lys	Ile	Ile	Asn	Thr	Lys	Lys
		35					40					45			

Leu Ser Ala Arg Asp His Gln Lys Leu Glu Arg Glu Ala Arg Ile Cys
 50 55 60
 Arg Leu Leu Lys His Pro Asn Ile Val
 65 70

<210> 5377
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 5377
 Met Val Pro Pro Pro Pro Gly Glu Glu Ser Gln Thr Val Ile Leu Pro
 1 5 10 15
 Pro Gly Trp Gln Ser Tyr Leu Ser Pro Gln Gly Arg Arg Tyr Tyr Val
 20 25 30
 Asn Thr Thr Thr Asn Glu Thr Thr Trp Glu Arg Pro Ser Ser Ser Pro
 35 40 45
 Gly Ile Pro Ala Ser Pro Gly Ser His Arg Ser Ser Leu Pro Pro Thr
 50 55 60
 Val Asn Gly Tyr His Ala Ser Gly Thr Pro Ala His Pro Pro Glu Thr
 65 70 75 80

<210> 5378
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 5378
 Met Gly Val Gln Gly Leu Trp Lys Leu Leu Glu Cys Ser Gly Arg Gln
 1 5 10 15
 Val Ser Pro Glu Ala Leu Glu Gly Lys Ile Leu Ala Val Asp Ile Ser
 20 25 30
 Ile Trp Leu Asn Gln Ala Leu Lys Gly Val Arg Asp Arg His Gly Asn
 35 40 45
 Ser Ile Glu Asn Pro His Leu Leu Thr Leu Phe His Arg Leu Cys Lys
 50 55 60
 Leu Leu Phe Phe Arg Ile
 65 70

<210> 5379
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 5379
 Met Ala Glu Arg Lys Pro Asn Gly Gly Ser Gly Gly Ala Ser Thr Ser
 1 5 10 15
 Ser Ser Gly Thr Asn Leu Leu Phe Ser Ser Ser Ala Thr Glu Phe Ser
 20 25 30
 Phe Asn Val Pro Phe Ile Pro Val Thr Gln Ala Ser Ala Ser Pro Ala
 35 40 45
 Ser Leu Leu Leu Pro Gly Glu Asp Ser Thr Asp Val Gly Glu Glu Asp
 50 55 60
 Ser Phe Leu Gly Gln Thr Ser Ile His Thr Ser Ala Pro Gln Thr Phe

65 70 75 80
 Ser Tyr Phe Ser Gln Val Ser Ser Ser Ser Xaa Pro Phe Gly Asn Ile
 85 90 95
 Gly Gln Ser Pro Leu Thr Thr
 100

<210> 5380
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 5380
 Met Ile Ile Gly Thr Asn Asn Val Phe Glu Val Gly Cys Tyr Ser Gln
 1 5 10 15
 Ala Met Lys Met Gly Asp Asn Asn Val Ile Glu Ser Lys Ala Tyr Val
 20 25 30
 Gly Arg Asn Val Ile Leu Thr Ser Gly Cys Ile Ile Gly Ala Cys Cys
 35 40 45
 Asn Leu Asn Thr Phe Glu Val Ile Pro Glu Asn Thr Val Ile Tyr Gly
 50 55 60
 Ala Asp Cys Leu Arg Arg Val Gln Thr Glu Arg Pro Gln Pro Gln Thr
 65 70 75 80
 Leu Gln Leu Asp Phe Leu Met Lys
 85

<210> 5381
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5381
 Met Arg Arg Gly Arg Gly Val Pro Leu Pro Gly Lys Pro Ala Pro Leu
 1 5 10 15
 Thr Ile Gln Leu Pro Lys Gln Phe Ser Arg Ile Glu Glu Val Phe Lys
 20 25 30
 Glu Xaa Gln Asn Leu Lys Glu Ile Val Asn Ser Leu Lys Lys Ser Cys
 35 40 45
 Gln Asp Cys Lys Leu Gln Ala Asp Asp Asn Gly Asp Pro Gly Arg Asn
 50 55 60
 Gly Leu Leu Leu Pro Ser Thr Gly Ala Pro Gly Glu Val Gly Asp Asn
 65 70 75 80
 Arg Val Arg Glu Leu Glu
 85

<210> 5382
 <211> 432
 <212> PRT
 <213> Homo sapiens

<400> 5382
 Met Ala Trp Arg His Leu Gln Lys Arg Ala Gln Asp Ala Val Ile Ile
 1 5 10 15
 Leu Gly Gly Gly Gly Leu Leu Phe Ala Ser Tyr Leu Met Ala Thr Gly
 20 25 30

Asp Glu Arg Phe Tyr Ala Glu His Leu Met Pro Thr Leu Gln Gly Leu
 35 40 45
 Leu Asp Pro Glu Ser Ala His Arg Leu Ala Val Arg Phe Thr Ser Leu
 50 55 60
 Gly Leu Leu Pro Arg Ala Arg Phe Gln Asp Ser Asp Met Leu Glu Val
 65 70 75 80
 Arg Val Leu Gly His Lys Phe Arg Asn Pro Val Gly Ile Ala Ala Gly
 85 90 95
 Phe Asp Lys His Gly Glu Ala Val Asp Gly Leu Tyr Lys Met Gly Phe
 100 105 110
 Gly Phe Val Glu Ile Gly Ser Val Thr Pro Lys Pro Gln Glu Gly Asn
 115 120 125
 Pro Arg Pro Arg Val Phe Arg Leu Pro Glu Asp Gln Ala Val Ile Asn
 130 135 140

<210> 5383
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 5383
 Met Leu Thr Gln Ala Ala Val Arg Leu Val Arg Gly Ser Leu Arg Lys
 1 5 10 15
 Thr Ser Trp Ala Glu Trp Gly His Arg Glu Leu Arg Leu Gly Gln Leu
 20 25 30
 Ala Pro Phe Thr Ala Pro His Lys Asp Lys Ser Phe Ser Asp Gln Arg
 35 40 45
 Ser Glu Leu Lys Arg Arg Leu Lys Ala Glu Lys Lys Val Ala Glu Lys
 50 55 60
 Glu Ala Lys Gln Lys Glu Leu Ser Glu Lys Gln Leu Ser Gln Ala Thr
 65 70 75 80
 Ala Ala Ala Thr Asn His Thr Thr Asp Asn
 85 90

<210> 5384
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5384
 Met Leu Trp Gly Val Pro Xaa Pro Ser Leu Pro Pro Pro Leu Pro Leu
 1 5 10 15
 Val Glu Glu Asp Gly Gly Arg Arg Xaa Ala Asp Leu Asp Thr Gln Arg
 20 25 30
 Ser Asp Ile Ala Thr Leu Leu Lys Thr Ser Leu Arg Lys Gly Asp Thr
 35 40 45
 Trp Tyr Leu Val Ile Val Ala Gly Ser Asn Ser Gly Lys Asn Met Leu
 50 55 60
 Ala Leu Thr Val Gly Thr Asn Thr Arg Trp Glu Ile Lys Met Cys Ile
 65 70 75 80
 Pro

<210> 5385
 <211> 261

<212> PRT

<213> Homo sapiens

<400> 5385

Met Ala Ala Gln Ile Pro Glu Ser Asp Gln Ile Lys Gln Phe Lys Glu
1 5 10 15
Phe Leu Gly Thr Tyr Asn Lys Leu Thr Glu Thr Cys Phe Leu Asp Cys
20 25 30
Val Lys Asp Phe Thr Thr Arg Glu Val Lys Pro Glu Glu Thr Thr Cys
35 40 45
Ser Glu His Cys Leu Gln Lys Tyr Leu Lys Met Thr Gln Arg Ile Ser
50 55 60
Met Arg Phe Gln Glu Tyr His Ile Gln Gln Asn Glu Ala Leu Ala Ala
65 70 75 80
Lys Ala Gly Leu Leu Gly Gln
85

<210> 5386

<211> 210

<212> PRT

<213> Homo sapiens

<400> 5386

Met Val Gly Arg Ser Arg Arg Arg Gly Ala Ala Lys Trp Ala Ala Val
1 5 10 15
Arg Ala Lys Ala Gly Pro Thr Leu Thr Asp Glu Asn Gly Asp Asp Leu
20 25 30
Gly Leu Pro Pro Ser Pro Gly Asp Thr Ser Tyr Tyr Gln Asp Gln Val
35 40 45
Asp Asp Phe His Glu Ala Arg Ser Arg Ala Ala Leu Ala Lys Gly Trp
50 55 60
Asn Glu Val Gln Ser Gly
65 70

<210> 5387

<211> 282

<212> PRT

<213> Homo sapiens

<400> 5387

Met Ser Lys Cys Arg Asp Asp Arg Val Trp Ile Lys Asp Trp Lys Val
1 5 10 15
Ala Cys Leu Cys Pro Arg Trp Lys Gly Pro Gln Xaa Val Val Leu Ser
20 25 30
Thr Pro Thr Ala Val Lys Val Glu Gly Ile Pro Ala Trp Ile Gln His
35 40 45
Ser His Ile Lys Pro Ala Ala Pro Glu Thr Trp Glu Ala Arg Pro Ser
50 55 60
Pro Xaa Asn Pro Cys Arg Val Thr Leu Lys Lys Xaa Thr Ser Pro Ala
65 70 75 80
Pro Val Xaa Arg Lys Leu Thr Ser Gln Ala Arg Pro Lys Pro
85 90

<210> 5388

<211> 330
 <212> PRT
 <213> Homo sapiens

<400> 5388

Met	Val	Glu	Glu	Val	Gln	Lys	His	Ser	Val	His	Thr	Leu	Val	Phe	Arg
1				5					10					15	
Ser	Leu	Lys	Arg	Thr	His	Asp	Met	Phe	Val	Ala	Asp	Asn	Gly	Lys	Pro
			20					25					30		
Val	Pro	Leu	Asp	Glu	Glu	Ser	Xaa	Lys	Arg	Lys	Met	Ala	Ile	Lys	Leu
		35					40					45			
Arg	Asn	Glu	Tyr	Gly	Pro	Val	Leu	His	Met	Pro	Thr	Ser	Lys	Glu	Asn
	50					55				60					
Leu	Lys	Glu	Lys	Gly	Pro	Gln	Asn	Ala	Thr	Asp	Ser	Tyr	Val	His	Lys
65					70					75					80
Gln	Tyr	Pro	Ala	Asn	Gln	Gly	Gln	Glu	Val	Glu	Tyr	Phe	Val	Ala	Gly
				85					90					95	
Thr	His	Pro	Tyr	Pro	Pro	Gly	Pro	Gly	Val	Ala	Leu	Thr	Ala		
			100					105					110		

<210> 5389
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 5389

Met	Asp	Pro	Leu	Phe	Gln	Gln	Thr	His	Lys	Gln	Val	His	Glu	Ile	Gln
1				5					10					15	
Ser	Cys	Met	Gly	Arg	Leu	Glu	Thr	Xaa	Xaa	Lys	Xaa	Xaa	Val	His	Xaa
			20					25					30		
Val	Glu	Asn	Glu	Ile	Gln	Ala	Ser	Ile	Asp	Gln	Ile	Phe	Ser	Arg	Leu
		35					40					45			
Glu	Arg	Leu	Glu	Ile	Leu	Ser	Ser	Lys	Glu	Pro	Pro	Asn	Lys	Arg	Gln
	50					55					60				
Asn	Ala	Lys	Leu	Arg	Val	Asp	Gln	Leu	Lys	Tyr	Asp	Val	Gln	His	Leu
65					70					75					80
Gln	Thr	Ala	Leu	Arg	Asn	Phe	Gln	His	Arg	Arg	His	Ala	Arg	Glu	Gln
				85					90					95	
Gln	Glu	Arg	Gln	Arg	Glu	Glu	Leu	Leu	Ser	Arg	Thr	Phe	Xaa	Thr	Asn
			100					105					110		
Xaa	Ser	Gly	Xaa	Thr	Ile	Pro	Met	Xaa	Asp	His	Cys	Ser	Leu	Thr	Pro
		115					120					125			

Pro

<210> 5390
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5390

Met	Leu	Thr	Thr	Leu	Lys	Pro	Phe	Gly	Ser	Val	Ser	Val	Glu	Ser	Lys
1				5					10					15	
Met	Asn	Asn	Lys	Ala	Gly	Ser	Phe	Phe	Trp	Asn	Leu	Arg	Gln	Phe	Ser
			20					25					30		

Thr Leu Val Ser Thr Ser Arg Thr Met Arg Leu Cys Cys Leu Gly Leu
 35 40 45
 Cys Lys Pro Lys Ile Val His Ser Asn Trp Asn Ile Leu Asn Asn Phe
 50 55 60
 His Asn Arg Met Gln Ser Thr Asp Ile Ile Arg Tyr Leu Phe Gln Asp
 65 70 75 80
 Ala

<210> 5391
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 5391
 Met Ala Glu Pro Trp Gly Asn Glu Leu Ala Ser Ala Ala Ala Arg Gly
 1 5 10 15
 Asp Leu Glu Gln Leu Thr Ser Leu Leu Gln Asn Asn Val Asn Val Asn
 20 25 30
 Ala Gln Asn Gly Phe Gly Arg Thr Ala Leu Gln Val Met Lys Leu Gly
 35 40 45
 Asn Pro Glu Ile Ala Arg Arg Leu Leu Leu Arg Gly Ala Asn Pro Asp
 50 55 60
 Leu Lys Asp Arg Thr Gly Phe Ala Val Ile His Asp Ala Ala Arg Ala
 65 70 75 80
 Gly Phe Leu Asp Thr Leu Gln Thr Leu Leu Glu Phe Gln Ala Asp Val
 85 90 95
 Asn Ile Glu Asp Asn Glu Gly
 100

<210> 5392
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5392
 Met Ala Gly Leu Thr Ala Ala Ala Pro Arg Ala Arg Ser Pro Pro Ala
 1 5 10 15
 Pro Ala Val His Pro Pro Pro Leu Ser Ala Trp Arg Gly Pro Trp Gly
 20 25 30
 His Ser Trp Trp Ser Ser Trp Arg Ser Leu Leu Ser Arg Gly Trp Ser
 35 40 45
 Arg Ser Pro Trp Arg
 50

<210> 5393
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 5393
 Met Pro Lys Thr Ile Ser Val Arg Val Thr Thr Met Asp Ala Glu Leu
 1 5 10 15
 Glu Phe Ala Ile Gln Pro Asn Thr Thr Gly Lys Gln Leu Phe Asp Gln
 20 25 30

Val Val Lys Thr Ile Gly Leu Arg Glu Val Trp Phe Phe Gly Leu Gln
 35 40 45
 Tyr Gln Asp Thr Lys Gly Phe Ser Thr Trp Leu Lys Leu Asn Lys Lys
 50 55 60
 Val Thr Ala Gln Asp Val Arg Lys Glu Ser Pro Leu Leu Phe Lys Phe
 65 70 75 80
 Arg Ala Lys Phe Tyr Pro Glu Asp Val Ser Glu Glu
 85 90

<210> 5394
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 5394
 Met Pro Lys Pro Ile Asn Val Arg Val Thr Thr Met Asp Ala Glu Leu
 1 5 10 15
 Glu Phe Ala Ile Gln Pro Asn Thr Thr Gly Lys Gln Leu Phe Asp Gln
 20 25 30
 Val Val Lys Thr Ile Gly Leu Arg Glu Val Trp Tyr Phe Gly Leu His
 35 40 45
 Tyr Val Asp Asn Lys Gly Phe Pro Thr Trp Leu Lys Leu Asp Lys Lys
 50 55 60

<210> 5395
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 5395
 Met Gly Arg Glu Ser Arg His Tyr Arg Lys Arg Ser Ala Ser Arg Gly
 1 5 10 15
 Arg Ser Gly Ser Arg Ser Arg Ser Arg Pro Ser Asp Lys Arg Ser
 20 25 30
 Lys Arg Gly Asp Asp Arg Arg Ser Arg Ser Arg Asp Arg Arg Arg
 35 40 45
 Arg Glu Arg Ser Arg Ser Arg Asp Lys Arg Arg Ser Arg Ser Arg Asp
 50 55 60
 Arg Lys Arg Leu Arg Arg Ser Arg Ser Arg Glu Arg Asp Arg Ser Arg
 65 70 75 80
 Glu Arg Arg Arg Ser Arg Ser Arg Asp Arg Arg Arg Ser Arg Ser Arg
 85 90 95
 Ser Arg

<210> 5396
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 5396
 Met Ala Glu Asn Asp Val Asp Asn Glu Leu Leu Asp Tyr Glu Asp Asp
 1 5 10 15
 Glu Val Glu Thr Ala Ala Gly Gly Asp Gly Ala Glu Ala Pro Ala Lys
 20 25 30

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Lys Asp Val Lys Gly Ser Tyr Val Ser Ile His Ser Ser Gly Phe Arg
35 40 45
Asp Phe Leu Leu Lys Pro Glu Leu Leu Arg Ala Ile Val Asp Cys Gly
50 55 60
Phe Glu His Pro Ser Glu Val Gln His Glu Cys Ile Pro Gln Ala Ile
65 70 75 80
Leu Gly Met Asp Val Leu Cys Gln Ala Lys Ser Gly Met Gly Lys Thr
85 90 95
Ala Val Phe Val Leu Ala Thr Leu Gln Gln Leu Glu Pro Val Thr Gly
100 105 110
Gln Val Ser Val Leu Val Met Cys His Thr Arg Glu Leu Ala Phe Gln
115 120 125
Ile Ser Lys Glu Tyr
130

<210> 5397
<211> 399
<212> PRT
<213> Homo sapiens

<400> 5397
Met Ala Glu Asn Asp Val Asp Asn Glu Leu Leu Asp Tyr Glu Asp Asp
1 5 10 15
Glu Val Glu Thr Ala Ala Gly Gly Asp Gly Ala Glu Ala Pro Ala Lys
20 25 30
Lys Asp Val Lys Gly Ser Tyr Val Ser Ile His Ser Ser Gly Phe Arg
35 40 45
Asp Phe Leu Leu Lys Xaa Glu Leu Leu Arg Ala Ile Val Asp Cys Gly
50 55 60
Phe Glu His Pro Ser Glu Val Gln His Glu Cys Ile Pro Gln Ala Ile
65 70 75 80
Leu Gly Met Asp Val Leu Cys Gln Ala Lys Ser Gly Met Gly Lys Thr
85 90 95
Ala Val Phe Val Leu Ala Thr Leu Gln Gln Leu Glu Pro Val Thr Gly
100 105 110
Gln Val Ser Val Leu Val Met Cys His Thr Arg Glu Leu Ala Phe Gln
115 120 125
Ile Ser Lys Glu Tyr
130

<210> 5398
<211> 300
<212> PRT
<213> Homo sapiens

<400> 5398
Met Pro Asp Ser Asn Phe Ala Glu Arg Xaa Xaa Glu Gln Val Ser Gly
1 5 10 15
Ala Lys Val Ile Ala Gln Ala Leu Lys Thr Gln Asp Val Glu Tyr Ile
20 25 30
Phe Gly Ile Val Gly Ile Pro Val Thr Glu Ile Ala Ile Ala Ala Gln
35 40 45
Gln Leu Gly Ile Lys Tyr Ile Gly Met Arg Asn Glu Gln Ala Ala Cys
50 55 60

Tyr Ala Ala Ser Ala Ile Gly Tyr Leu Thr Ser Arg Pro Gly Val Cys
 65 70 75 80
 Leu Val Val Ser Gly Pro Gly Leu Ile His Ala Leu Gly Gly Met Ala
 85 90 95
 Asn Ala Asn Met
 100

<210> 5399
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 5399
 Met Lys Ala Thr Thr Pro Leu Gln Thr Val Asp Arg Pro Lys Asp Trp
 1 5 10 15
 Tyr Lys Thr Met Phe Lys Gln Ile His Met Val His Lys Pro Gly Leu
 20 25 30
 Tyr Asn Pro Pro Tyr Ser Ala Gln Ser His Pro Ala Ala Lys Thr Gln
 35 40 45
 Thr Tyr Arg Pro Leu Ser Lys Ser His Ser Asp Asn Ser Pro Asn Ala
 50 55 60
 Phe Lys Asp Ala Ser Ser Pro Val Pro
 65 70

<210> 5400
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5400
 Met Ala Gly Thr Gly Leu Val Ala Gly Glu Val Val Val Asp Ala Leu
 1 5 10 15
 Pro Tyr Phe Asp Gln Gly Tyr Glu Ala Pro Gly Val Arg Glu Ala Ala
 20 25 30
 Ala Ala Leu Val Glu Glu Glu Thr Arg Arg Tyr Arg Pro Thr Lys Asn
 35 40 45
 Tyr Leu Ser Tyr Leu Thr Ala Pro Asp Tyr Ser Ala Phe Glu Thr Asp
 50 55 60
 Ile Met Arg Asn Glu Phe Glu Arg Leu Ala Ala Arg Gln Pro Ile Glu
 65 70 75 80
 Leu Leu Ser Met Xaa Arg Tyr Glu Leu Pro Ala Pro Ser Ser Gly Gln
 85 90 95
 Lys Xaa Asp Ile Thr Ala Trp Gln
 100

<210> 5401
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 5401
 Met Ala Pro Gly Glu Val Thr Ile Thr Val Arg Leu Ile Arg Ser Phe
 1 5 10 15
 Glu His Arg Asn Phe Lys Pro Val Val Tyr His Gly Xaa Asn Leu Asp

20 25 30
 Gln Thr Val Lys Glu Phe Ile Val Phe Leu Lys Gln Asp Ile Pro Leu
 35 40 45
 Arg Thr Asn Leu Pro Pro
 50

<210> 5402
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 5402
 Met Pro Leu Lys Ser Val Leu Trp Gly Gly Ser Lys Gly Pro Trp Ser
 1 5 10 15
 Trp Pro Arg Pro Arg His Arg Glu Arg Leu Asp Phe Leu Ser Leu Cys
 20 25 30
 Ala Glu Trp Leu Arg Trp Arg Pro Leu Ser Leu Thr Gln Gln Leu Lys
 35 40 45
 Xaa Xaa Ile Ser Gly Ser Asn Trp Leu Pro His Pro Leu Pro
 50 55 60

<210> 5403
 <211> 252
 <212> PRT
 <213> Homo sapiens

<400> 5403
 Met Thr Val Phe Phe Lys Thr Leu Arg Asn His Trp Lys Lys Thr Thr
 1 5 10 15
 Ala Gly Leu Cys Leu Leu Thr Trp Gly Gly His Trp Leu Tyr Gly Lys
 20 25 30
 His Cys Asp Asn Leu Leu Arg Arg Ala Ala Cys Gln Glu Ala Gln Val
 35 40 45
 Phe Gly Asn Gln Leu Ile Pro Pro Asn Ala Gln Val Lys Xaa Ala Thr
 50 55 60
 Val Phe Leu Asn Pro Ala Ala Cys Lys Gly Lys Ala Arg Thr Leu Phe
 65 70 75 80
 Glu Lys Asn Ala

<210> 5404
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 5404
 Met Leu Cys Trp Gly Tyr Trp Ser Leu Gly Gln Pro Gly Ile Ser Thr
 1 5 10 15
 Asn Leu Gln Gly Ile Val Ala Glu Pro Gln Val Cys Gly Phe Ile Ser
 20 25 30
 Asp Arg Ser Val Lys Glu Val Ala Xaa Gly Gly Asn His Ser Val Phe
 35 40 45
 Leu Leu Glu Asp Gly Glu Val Tyr Thr Cys Gly Leu Asn Thr Lys Gly
 50 55 60
 Gln Leu Gly His Glu

65

<210> 5405

<211> 213

<212> PRT

<213> Homo sapiens

<400> 5405

Met Phe Leu Ala Gln Arg Ser Leu Cys Ser Leu Ser Gly Arg Ala Lys
1 5 10 15
Phe Leu Lys Thr Ile Ser Ser Ser Lys Ile Leu Gly Phe Ser Thr Ser
20 25 30
Ala Lys Met Ser Leu Lys Phe Thr Asn Ala Lys Arg Ile Glu Gly Leu
35 40 45
Asp Ser Asn Val Trp Ile Glu Phe Thr Lys Leu Ala Ala Asp Pro Ser
50 55 60
Val Val Asn Leu Gly Gln Gly
65 70

<210> 5406

<211> 372

<212> PRT

<213> Homo sapiens

<400> 5406

Met Ser Leu Lys Phe Thr Asn Ala Lys Arg Ile Glu Gly Leu Asp Ser
1 5 10 15
Asn Val Trp Ile Glu Phe Thr Lys Leu Ala Ala Asp Pro Ser Val Val
20 25 30
Asn Leu Gly Gln Gly Phe Pro Asp Ile Ser Pro Pro Thr Tyr Val Lys
35 40 45
Glu Glu Leu Ser Lys Ile Ala Ala Ile Asp Ser Leu Asn Gln Tyr Thr
50 55 60
Arg Gly Phe Gly His Pro Ser Leu Val Lys Ala Leu Ser Tyr Leu Tyr
65 70 75 80
Glu Lys Leu Tyr Gln Lys Gln Ile Asp Ser Asn Lys Glu Ile Leu Val
85 90 95
Thr Val Gly Ala Tyr Gly Ser Leu Phe Asn Thr Ile Gln Ala Leu Ile
100 105 110
Asp Glu Gly Asp Glu Val Ile Leu Ile Val Pro Phe
115 120

<210> 5407

<211> 153

<212> PRT

<213> Homo sapiens

<400> 5407

Met Ser Gly Leu Asp Gly Gly Asn Lys Leu Pro Leu Ala Gln Thr Gly
1 5 10 15
Gly Leu Ala Ala Pro Asp His Ala Ser Gly Asp Pro Asp Leu Asp Gln
20 25 30
Cys Gln Gly Leu Arg Glu Glu Thr Glu Ala Thr Gln Val Met Ala Asn
35 40 45

Thr Gly Gly
50

<210> 5408
<211> 360
<212> PRT
<213> Homo sapiens

<400> 5408
Met Asp Leu Leu Phe Gly Arg Arg Lys Thr Pro Glu Glu Leu Leu Arg
1 5 10 15
Gln Asn Gln Arg Ala Leu Asn Arg Ala Met Arg Glu Leu Asp Arg Glu
20 25 30
Arg Gln Lys Leu Glu Thr Gln Glu Lys Lys Ile Ile Ala Asp Ile Lys
35 40 45
Lys Met Ala Lys Gln Gly Gln Met Asp Ala Val Arg Ile Met Ala Lys
50 55 60
Asp Leu Val Arg Thr Arg Arg Tyr Val Arg Lys Phe Val Leu Met Arg
65 70 75 80
Ala Asn Ile Gln Ala Val Xaa Leu Lys Ile Gln Thr Leu Lys Ser Asn
85 90 95
Asn Ser Met Ala Gln Ala Met Lys Gly Val Thr Lys Ala Met Gly Thr
100 105 110
Met Asn Arg Gln Leu Lys Leu Pro
115 120

<210> 5409
<211> 360
<212> PRT
<213> Homo sapiens

<400> 5409
Met Asp Leu Leu Phe Gly Arg Arg Lys Thr Pro Glu Glu Leu Leu Arg
1 5 10 15
Gln Asn Gln Arg Ala Leu Asn Arg Ala Met Arg Glu Leu Xaa Arg Glu
20 25 30
Arg Xaa Lys Leu Glu Thr Gln Glu Lys Lys Ile Ile Ala Asp Ile Lys
35 40 45
Lys Met Ala Lys Gln Gly Gln Met Asp Ala Val Arg Ile Met Ala Lys
50 55 60
Asp Leu Val Arg Thr Arg Arg Tyr Val Arg Lys Phe Val Leu Met Arg
65 70 75 80
Ala Asn Ile Gln Ala Val Xaa Leu Lys Ile Gln Thr Leu Lys Ser Asn
85 90 95
Asn Ser Met Ala Gln Ala Met Lys Gly Val Thr Lys Ala Met Gly Thr
100 105 110
Met Asn Arg Gln Leu Lys Leu Pro
115 120

<210> 5410
<211> 360
<212> PRT
<213> Homo sapiens

<400> 5410

Met	Asp	Leu	Leu	Phe	Gly	Arg	Arg	Lys	Thr	Pro	Glu	Glu	Leu	Leu	Arg
1			5						10					15	
Gln	Asn	Gln	Arg	Ala	Leu	Asn	Arg	Ala	Met	Arg	Xaa	Xaa	Asp	Arg	Glu
		20						25					30		
Arg	Gln	Lys	Leu	Glu	Thr	Gln	Glu	Lys	Lys	Ile	Ile	Ala	Asp	Ile	Lys
		35					40					45			
Lys	Met	Ala	Lys	Gln	Gly	Gln	Met	Asp	Ala	Val	Arg	Ile	Met	Ala	Lys
	50					55					60				
Asp	Leu	Val	Arg	Thr	Arg	Arg	Tyr	Val	Arg	Lys	Phe	Val	Leu	Met	Arg
65					70				75					80	
Ala	Asn	Ile	Gln	Ala	Val	Xaa	Leu	Lys	Ile	Gln	Thr	Leu	Lys	Ser	Asn
			85					90						95	
Asn	Ser	Met	Ala	Gln	Ala	Met	Lys	Gly	Val	Thr	Lys	Ala	Met	Gly	Thr
		100						105						110	
Met	Asn	Arg	Gln	Leu	Lys	Leu	Pro								
		115					120								

<210> 5411

<211> 327

<212> PRT

<213> Homo sapiens

<400> 5411

Met	Pro	Gly	Ile	Val	Glu	Leu	Pro	Thr	Leu	Glu	Glu	Leu	Lys	Val	Asp
1			5						10					15	
Glu	Val	Lys	Ile	Ser	Ser	Ala	Val	Leu	Lys	Ala	Ala	Ala	His	His	Tyr
		20						25					30		
Gly	Ala	Gln	Cys	Asp	Lys	Pro	Asn	Lys	Glu	Phe	Met	Leu	Cys	Arg	Trp
		35				40						45			
Glu	Glu	Lys	Asp	Pro	Arg	Arg	Cys	Leu	Glu	Glu	Gly	Lys	Leu	Val	Asn
	50					55					60				
Lys	Cys	Ala	Leu	Asp	Phe	Arg	Gln	Ile	Lys	Arg	His	Cys	Ala	Glu	
65					70				75					80	
Pro	Phe	Thr	Glu	Tyr	Trp	Thr	Cys	Ile	Asp	Tyr	Thr	Gly	Gln	Gln	Leu
			85					90						95	
Phe	Arg	His	Cys	Arg	Lys	Gln	Gln	Ala	Lys	Phe	Asp	Glu			
		100						105							

<210> 5412

<211> 318

<212> PRT

<213> Homo sapiens

<400> 5412

Met	Ala	Asp	Lys	Val	Leu	Lys	Glu	Lys	Arg	Lys	Leu	Phe	Ile	His	Ser
1			5						10					15	
Met	Gly	Glu	Gly	Thr	Ile	Asn	Gly	Leu	Leu	Asp	Glu	Leu	Leu	Gln	Thr
		20						25					30		
Arg	Val	Leu	Asn	Gln	Glu	Glu	Met	Glu	Lys	Val	Lys	Arg	Glu	Asn	Ala
		35					40					45			
Thr	Val	Met	Asp	Lys	Thr	Arg	Ala	Leu	Ile	Asp	Ser	Val	Ile	Pro	Lys
	50					55					60				
Gly	Ala	Gln	Ala	Cys	Gln	Ile	Cys	Ile	Thr	Tyr	Ile	Cys	Glu	Glu	Asp

65 70 75 80
 Ser Tyr Leu Ala Glu Thr Leu Gly Leu Ser Ala Ala Leu Gln Ala Val
 85 90 95
 Gln Asp Asn Pro Ala Met Pro Thr Cys Ser
 100 105

<210> 5413
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 5413
 Met Glu Arg Ser Leu Arg Gln Ser Leu Leu Glu Pro Val Pro Pro Ser
 1 5 10 15
 Leu Pro Xaa Xaa Cys Ala Trp Leu Val Ser Glu Leu Arg Val Leu Cys
 20 25 30
 Lys Leu Glu Glu Asn Val Gln Ala Thr Asn Ser Pro Ser Glu Ala Glu
 35 40 45
 Glu Phe Gln Leu Glu Val Ser Gly Leu Leu Gly Glu Met Asn Cys Pro
 50 55 60
 Tyr Leu Ser Leu Thr Ser Gly Asp Val Thr Lys Arg Leu Leu Ile Gln
 65 70 75 80
 Lys Asn Cys Leu Leu Leu Thr Tyr Leu Ile Ser Glu Leu Glu Ala
 85 90 95
 Ala Arg Met Ala Leu Cys Glu Cys Ser Ser Lys Lys
 100 105

<210> 5414
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5414
 Met Glu Asn Gln Val Leu Thr Pro His Val Tyr Trp Ala Gln Arg His
 1 5 10 15
 Arg Glu Leu Tyr Leu Arg Val Glu Leu Ser Asp Val Gln Asn Pro Ala
 20 25 30
 Ile Ser Ile Thr Glu Asn Val Leu His Phe Lys Ala Gln Gly His Gly
 35 40 45
 Ala Lys Gly Asp Asn Val Tyr Glu Phe His Leu Glu Phe Leu Asp Leu
 50 55 60
 Val Lys Pro Glu Pro Val Tyr Lys Leu Thr Gln
 65 70 75

<210> 5415
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 5415
 Met Val Leu Glu Ser Val Ala Arg Ile Val Lys Val Gln Leu Pro Ala
 1 5 10 15
 Tyr Leu Lys Arg Leu Pro Val Pro Glu Ser Ile Thr Gly Phe Ala Arg
 20 25 30

Leu Thr Val Ser Glu Trp Leu Arg Leu Leu Pro Phe Leu Gly Val Leu
 35 40 45
 Ala Leu Leu Gly Tyr Leu Ala Val Arg Pro Phe Leu Pro Lys Lys Lys
 50 55 60
 Gln Gln Lys Asp Ser Leu Ile Asn Leu Lys Ile Gln Lys Glu Asn Pro
 65 70 75 80
 Lys Val Val Asn Glu Ile Asn Ile Glu Asp Leu Cys Leu Thr Lys Ala
 85 90 95
 Ala Tyr Cys Arg Cys Trp Arg Ser Lys Thr Phe Pro Ala Cys Asp Gly
 100 105 110
 Ser His Asn Lys His Asn Glu Leu Thr Gly Asp Asn
 115 120

<210> 5416
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 5416
 Met Glu Gly His Ile Cys Gln Ser Leu Glu Ser Ala Lys Ala Gly Thr
 1 5 10 15
 Arg Phe Pro Gly Pro Gln Trp Gly Cys Ala Asn Pro Arg Glu Leu Gly
 20 25 30
 Trp Ser Ala Met Ala Arg Ser Arg Leu Thr Ala Thr Ser Val Ser Gln
 35 40 45
 Val Gln Glu Asn Gly Phe Val Lys Lys Leu Glu Pro Lys Ser Gly Trp
 50 55 60
 Met Thr Phe Leu Glu Val Thr Gly Lys Ile Cys Glu Met Leu Phe Cys
 65 70 75 80
 Pro Glu Ala Ile Leu Leu Thr Arg Lys Asp Thr Pro Tyr
 85 90

<210> 5417
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 5417
 Met Ala Ser Thr Ile Lys Glu Ala Leu Ser Val Val Ser Glu Asp Gln
 1 5 10 15
 Ser Leu Phe Glu Cys Ala Tyr Gly Thr Pro His Leu Ala Lys Thr Glu
 20 25 30
 Met Thr Ala Ser Ser Ser Ser Asp Tyr Gly Gln Thr Ser Lys Met Ser
 35 40 45
 Pro Arg Val Pro Gln Gln Asp Trp Leu Ser Gln Pro Pro Ala Arg Val
 50 55 60
 Thr Ile Lys Met Glu Cys Asn Pro Ser Gln Val Asn Gly Ser Arg Asn
 65 70 75 80
 Ser Pro Asp Glu Cys Ser Val Ala Lys Gly Gly Lys Met Val Gly Ser
 85 90 95
 Pro Asp Thr Val Gly Met Asn Tyr Gly Ser Xaa Xaa Gly Arg Glu Ala
 100 105 110
 His Ala Thr Pro Lys His Asp His Glu Arg Ala Gln Ser Tyr Arg Ala
 115 120 125

Ser Arg Ser Tyr Ala Met
130

<210> 5418
<211> 447
<212> PRT
<213> Homo sapiens

<400> 5418
Met Ala Ala Gly Thr Leu Tyr Thr Tyr Pro Glu Asn Trp Arg Ala Phe
1 5 10 15
Lys Ala Leu Ile Ala Ala Gln Tyr Ser Gly Ala Gln Val Arg Val Leu
20 25 30
Ser Ala Pro Pro His Phe His Phe Gly Gln Thr Asn Arg Thr Pro Glu
35 40 45
Phe Leu Arg Lys Phe Pro Ala Gly Lys Val Pro Ala Phe Glu Gly Asp
50 55 60
Asp Gly Phe Cys Val Phe Glu Ser Asn Ala Ile Ala Tyr Tyr Val Ser
65 70 75 80
Asn Glu Glu Leu Arg Gly Ser Thr Pro Glu Ala Ala Ala Gln Val Val
85 90 95
Gln Trp Val Ser Phe Ala Asp Ser Asp Ile Val Pro Pro Ala Ser Thr
100 105 110
Trp Val Phe Pro Thr Leu Gly Ile Met His His Asn Lys Gln Ala Thr
115 120 125
Glu Asn Ala Lys Glu Glu Val Arg Arg Ile Leu Gly Ala Ala Gly Cys
130 135 140
Leu Leu Xaa Asp Glu
145

<210> 5419
<211> 171
<212> PRT
<213> Homo sapiens

<400> 5419
Met Gln Val Val Asp Leu Val Arg Lys Ser Gly Asn Ser Val Thr Leu
1 5 10 15
Leu Val Leu Asp Gly Asp Ser Tyr Glu Lys Ala Val Lys Thr Arg Val
20 25 30
Asp Leu Lys Glu Leu Gly Gln Ser Gln Lys Glu Gln Gly Leu Ser Asp
35 40 45
Asn Ile Leu Ser Pro Val Met Asn Gly
50 55

<210> 5420
<211> 339
<212> PRT
<213> Homo sapiens

<400> 5420
Met Ser Ile Leu Lys Ile His Ala Arg Glu Ile Phe Asp Ser Arg Gly
1 5 10 15
Asn Pro Thr Val Glu Val Asp Leu Phe Thr Ser Lys Gly Leu Phe Arg

20 25 30
 Ala Ala Val Pro Ser Gly Ala Ser Thr Gly Ile Tyr Glu Ala Leu Glu
 35 40 45
 Leu Arg Asp Asn Asp Lys Thr Arg Tyr Met Gly Lys Gly Val Ser Lys
 50 55 60
 Ala Val Glu His Ile Asn Lys Thr Ile Ala Pro Ala Leu Val Ser Lys
 65 70 75 80
 Lys Leu Asn Val Thr Glu Gln Glu Lys Ile Asp Lys Leu Met Ile Glu
 85 90 95
 Met Asp Gly Thr Glu Asn Lys Ser Lys Phe Gly Ala Thr Pro Phe Trp
 100 105 110
 Gly

<210> 5421
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5421
 Met Leu Leu Thr Arg Lys Gln Thr Cys Gln Leu Gly Ile Leu Leu Ser
 1 5 10 15
 Ile His Arg Gln His Ser Lys Gln Glu Thr Ser Leu Arg Val Pro Asp
 20 25 30
 Leu Ile Gln Met Phe Ala Thr Xaa Xaa Tyr Glu Leu Asp Lys Leu Arg
 35 40 45
 Leu Ser Ser Gly Gly Ser Trp Gln Pro Cys
 50 55

<210> 5422
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 5422
 Met Pro Glu Arg Asp Ser Glu Pro Phe Ser Asn Pro Leu Ala Pro Asp
 1 5 10 15
 Gly His Asp Val Asp Asp Pro His Ser Phe His Gln Ser Lys Leu Thr
 20 25 30
 Asn Glu Asp Phe Arg Lys Leu Leu Met Thr Pro Arg Ala Ala Pro Thr
 35 40 45
 Ser Ala Pro Pro Ser Lys Ser Arg His His Glu Met Pro Arg Glu Tyr
 50 55 60
 Asn Glu Asp Glu Asp Pro Ala Ala Arg Arg Arg Lys Lys Lys Ser Tyr
 65 70 75 80
 Tyr Ala Lys Leu Arg Gln Gln Glu Ile Glu Arg Glu Arg Glu Leu Ala
 85 90 95
 Glu Lys Tyr Arg Asp Arg Ala Lys Glu Arg Arg Asp Gly Val Asn Lys
 100 105 110
 Asp Tyr Glu
 115

<210> 5423
 <211> 273
 <212> PRT

<213> Homo sapiens

<400> 5423

Met Ile Gln Leu Arg Pro Cys Ser Gly Phe Pro Gly Asn Met Gln Ala
1 5 10 15
Trp Ala Ile Phe Lys Gly Lys Tyr Lys Glu Gly Asp Thr Gly Gly Pro
20 25 30
Ala Val Trp Lys Thr Arg Leu Arg Cys Ala Leu Asn Lys Ser Ser Glu
35 40 45
Phe Lys Glu Val Pro Glu Arg Gly Arg Met Asp Val Ala Glu Pro Tyr
50 55 60
Lys Val Tyr Gln Leu Leu Pro Xaa Gly Ile Val Ser Xaa Gln Pro Gly
65 70 75 80
Thr Gln Lys Val His Gln Ser Asp Xaa Gln Phe
85 90

<210> 5424

<211> 408

<212> PRT

<213> Homo sapiens

<400> 5424

Met Ala Ser Gly Arg Ala Arg Cys Thr Arg Lys Leu Arg Asn Trp Val
1 5 10 15
Val Glu Gln Val Glu Ser Gly Gln Phe Pro Gly Val Cys Trp Asp Asp
20 25 30
Thr Ala Lys Thr Met Phe Arg Ile Pro Trp Lys His Ala Gly Lys Gln
35 40 45
Asp Phe Arg Glu Asp Gln Asp Ala Ala Phe Phe Lys Ala Trp Ala Ile
50 55 60
Phe Lys Gly Lys Tyr Lys Glu Gly Asp Thr Gly Gly Pro Ala Val Trp
65 70 75 80
Lys Thr Arg Leu Arg Cys Ala Leu Asn Lys Ser Ser Glu Phe Lys Glu
85 90 95
Val Pro Glu Arg Gly Arg Met Asp Val Ala Glu Pro Tyr Lys Val Tyr
100 105 110
Gln Leu Leu Pro Xaa Gly Ile Val Ser Xaa Gln Pro Gly Thr Gln Lys
115 120 125
Val His Gln Ser Asp Xaa Gln Phe
130 135

<210> 5425

<211> 375

<212> PRT

<213> Homo sapiens

<400> 5425

Met Pro Gly Leu Leu Leu Cys Glu Pro Thr Glu Leu Tyr Asn Ile Leu
1 5 10 15
Asn Gln Ala Thr Lys Leu Ser Arg Leu Thr Asp Pro Asn Tyr Leu Cys
20 25 30
Leu Leu Asp Val Arg Ser Lys Trp Glu Tyr Asp Glu Ser His Val Ile
35 40 45
Thr Ala Leu Arg Val Lys Lys Val His Gly Gln Arg Gln Asp Leu Gly

50 55 60
 Gln Ala Gly Tyr Leu Ala Val Gly Trp Gly Arg Val Gly Ser Phe Thr
 65 70 75 80
 Leu Asn Pro Ala Gly Ser Arg Ser Arg Thr Val Phe Tyr Val Pro Thr
 85 90 95
 Val Val Val Phe His Thr Ser His Pro His Thr Phe Ser Gln Val Ser
 100 105 110
 Ser His Pro Pro Arg Met Val Asn Asn Ser Ile Ile Gln
 115 120 125

<210> 5426
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 5426
 Met Thr Asn Gln Tyr Gly Ile Leu Phe Lys Gln Glu Gln Ala His Asp
 1 5 10 15
 Asp Ala Ile Trp Ser Val Ala Trp Gly Thr Asn Lys Lys Glu Asn Ser
 20 25 30
 Glu Thr Val Val Thr Gly Ser Leu Asp Asp Leu Val Lys Val Trp Lys
 35 40 45
 Trp Arg Asp Glu Arg Leu Asp Leu Gln Trp Ser Leu Glu Gly His Gln
 50 55 60
 Leu Gly Val Val Ser Val Asp Ile Ser His Thr Leu Pro Ile Ala Ala
 65 70 75 80
 Ser Ser Ser Leu Asp Ala His Ile Arg Leu Trp Asp Leu Glu Asn Gly
 85 90 95
 Lys Gln Ile Lys Ser Ile Asp Ala Gly Pro Val Asp Ala Trp Thr Xaa
 100 105 110
 Ala Phe Ser Pro Asp Ser Gln Tyr Leu Ala Thr Gly Thr His Val Gly
 115 120 125
 Lys Val Asn
 130

<210> 5427
 <211> 519
 <212> PRT
 <213> Homo sapiens

<400> 5427
 Met Ala Gly Gly Gly Gly Asp Leu Ser Thr Arg Met Phe Thr Glu Asp
 1 5 10 15
 Gln Gly Val Asp Asp Arg Leu Leu Tyr Asp Ile Val Phe Lys His Phe
 20 25 30
 Lys Arg Asn Lys Val Glu Ile Ser Asn Ala Ile Lys Lys Thr Phe Pro
 35 40 45
 Phe Leu Glu Gly Leu Arg Asp Arg Asp Leu Ile Thr Asn Lys Met Phe
 50 55 60
 Glu Asp Ser Gln Asp Ser Cys Arg Asn Leu Val Pro Val Gln Arg Val
 65 70 75 80
 Val Tyr Asn Val Leu Ser Glu Leu Glu Lys Thr Phe Asn Leu Pro Val
 85 90 95
 Leu Glu Ala Leu Phe Ser Asp Val Asn Met Gln Glu Tyr Pro Asp Leu

			100					105				110					
Ile	His	Ile	Tyr	Lys	Gly	Phe	Glu	Asn	Val	Ile	His	Asp	Lys	Leu	Pro		
		115					120					125					
Leu	Gln	Glu	Ser	Glu	Glu	Glu	Glu	Arg	Glu	Glu	Arg	Ser	Gly	Leu	Gln		
	130					135					140						
Leu	Ser	Leu	Glu	Gln	Gly	Thr	Gly	Glu	Asn	Ser	Phe	Arg	Ser	Leu	Thr		
145				150					155						160		
Trp	Pro	Pro	Ser	Gly	Ser	Pro	Ser	His	Ala	Gly	Thr	Thr					
			165					170									

<210> 5428
 <211> 594
 <212> PRT
 <213> Homo sapiens

Met	Ala	Gly	Gly	Gly	Gly	Asp	Leu	Ser	Thr	Arg	Arg	Leu	Asn	Glu	Cys		
1			5					10					15				
Ile	Ser	Pro	Val	Ala	Asn	Glu	Met	Asn	His	Leu	Pro	Ala	His	Ser	His		
		20				25					30						
Asp	Leu	Gln	Arg	Met	Phe	Thr	Glu	Asp	Gln	Gly	Val	Asp	Asp	Arg	Leu		
	35				40					45							
Leu	Tyr	Asp	Ile	Val	Phe	Lys	His	Phe	Lys	Arg	Asn	Lys	Val	Glu	Ile		
	50				55					60							
Ser	Asn	Ala	Ile	Lys	Lys	Thr	Phe	Pro	Phe	Leu	Glu	Gly	Leu	Arg	Asp		
65				70				75						80			
Arg	Asp	Leu	Ile	Thr	Asn	Lys	Met	Phe	Glu	Asp	Ser	Gln	Asp	Ser	Cys		
		85						90					95				
Arg	Asn	Leu	Val	Pro	Val	Gln	Arg	Val	Val	Tyr	Asn	Val	Leu	Ser	Glu		
	100					105						110					
Leu	Glu	Lys	Thr	Phe	Asn	Leu	Pro	Val	Leu	Glu	Ala	Leu	Phe	Ser	Asp		
	115					120					125						
Val	Asn	Met	Gln	Glu	Tyr	Pro	Asp	Leu	Ile	His	Ile	Tyr	Lys	Gly	Phe		
	130				135					140							
Glu	Asn	Val	Ile	His	Asp	Lys	Leu	Pro	Leu	Gln	Glu	Ser	Glu	Glu	Glu		
145				150					155					160			
Glu	Arg	Glu	Glu	Arg	Ser	Gly	Leu	Gln	Leu	Ser	Leu	Glu	Gln	Gly	Thr		
		165						170					175				
Gly	Glu	Asn	Ser	Phe	Arg	Ser	Leu	Thr	Trp	Pro	Pro	Ser	Gly	Ser	Pro		
	180							185					190				
Ser	His	Ala	Gly	Thr	Thr												
	195																

<210> 5429
 <211> 231
 <212> PRT
 <213> Homo sapiens

Met	Thr	Leu	Tyr	Phe	Arg	Thr	Trp	Glu	Glu	Gln	Lys	Thr	Glu	His	Ala		
1			5					10					15				
Leu	Leu	Ser	Leu	Ile	Thr	Trp	Phe	Gln	Ala	Gln	Pro	Pro	Ala	Phe	Leu		
		20					25						30				
Thr	Asn	Gln	Gly	Leu	Arg	Thr	Glu	Gly	Asn	Tyr	Phe	Phe	Trp	Trp	Thr		

35 40 45
 Trp Asn Leu Arg Leu Ser Thr Leu Ser Ser Ser Gln Trp Ser Leu Phe
 50 55 60
 Ile Ser Asp Leu Gln Ile Val Leu Xaa Phe Val Val Thr
 65 70 75

<210> 5430
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 5430
 Met Ala Val Ser Thr Val Phe Ser Thr Ser Ser Leu Met Leu Ala Leu
 1 5 10 15
 Ser Arg His Ser Leu Leu Ser Pro Leu Leu Ser Val Thr Ser Phe Arg
 20 25 30
 Arg Phe Tyr Arg Gly Asp Ser Pro Thr Asp Ser Gln Lys Asp Met Ile
 35 40 45
 Glu Ile Pro Leu Pro Pro Trp Gln Glu Arg Thr Asp Glu Ser Ile Glu
 50 55 60
 Thr Lys Arg Ala Arg Leu Leu Tyr Glu Ser Arg Lys Arg Gly Met Leu
 65 70 75 80
 Glu Asn Cys Ile Leu Leu Ser Leu Phe Ala Lys Glu His Leu Gln His
 85 90 95
 Met Thr Glu Lys Gln Leu Asn Leu Tyr Asp Arg Leu Ile Asn Glu Pro
 100 105 110
 Ser Asn Asp Xaa Asp Ile Tyr Tyr Trp Ala Thr Glu Ala Lys Pro Ala
 115 120 125

<210> 5431
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5431
 Met Ala Pro Gln Lys Asp Arg Lys Pro Lys Arg Ser Thr Trp Arg Phe
 1 5 10 15
 Asn Leu Asp Leu Thr His Pro Val Glu Asp Gly Ile Phe Asp Ser Gly
 20 25 30
 Asn Phe Glu Gln Phe Leu Arg Glu Lys Val Lys Val Asn Gly Lys Thr
 35 40 45
 Gly Asn Leu Gly Asn Val Val His Ile Glu Arg Phe Lys Asn Lys Ile
 50 55 60
 Thr Val Val Ser Glu Lys Gln Phe Ser Lys Arg Tyr Leu Lys Tyr Leu
 65 70 75 80
 Thr Lys Lys Tyr Leu Lys Lys Asn Asn Leu Arg Asp Trp Leu Arg Val
 85 90 95
 Val Ala Ser Asp Lys Glu Thr Tyr Glu Leu Arg Tyr Phe Gln Ile Ser
 100 105 110
 Gln Asp Glu Asp Glu Ser Glu Ser
 115 120

<210> 5432
 <211> 276

<212> PRT
<213> Homo sapiens

<400> 5432

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Met Ala Glu Asn Gly Asp Asn Glu Lys Met Ala Ala Leu Glu Ala Lys
1           5           10           15
Ile Cys His Gln Ile Glu Tyr Tyr Phe Gly Asp Phe Asn Leu Pro Arg
          20           25           30
Asp Lys Phe Leu Lys Glu Gln Ile Lys Leu Asp Glu Gly Trp Val Pro
          35           40           45
Leu Glu Ile Met Ile Lys Phe Asn Arg Leu Asn Arg Leu Thr Thr Asp
          50           55           60
Phe Asn Val Ile Val Glu Ala Leu Ser Lys Ser Lys Ala Glu Leu Met
65           70           75           80
Glu Ile Ser Glu Asp Lys Thr Lys Ile Arg Arg Ser
          85           90

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<210> 5433
<211> 249
<212> PRT
<213> Homo sapiens

<400> 5433

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Met Ala Ala Phe Ser Glu Met Gly Val Met Pro Glu Ile Ala Gln Ala
1           5           10           15
Val Glu Glu Met Asp Trp Leu Leu Pro Thr Asp Ile Gln Ala Glu Ser
          20           25           30
Ile Pro Leu Ile Leu Gly Gly Gly Asp Val Leu Met Ala Ala Glu Thr
          35           40           45
Gly Ser Gly Lys Thr Gly Ala Phe Ser Ile Pro Val Ile Gln Ile Val
          50           55           60
Tyr Glu Thr Leu Lys Asp Gln Gln Glu Gly Lys Lys Gly Lys Thr Thr
65           70           75           80
Ile Lys Thr

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<210> 5434
<211> 258
<212> PRT
<213> Homo sapiens

<400> 5434

```

Met Ala Glu Leu Gln Met Leu Leu Glu Glu Glu Ile Pro Gly Gly Arg
1           5           10           15
Arg Ala Leu Phe Asp Ser Xaa Thr Asn Leu Glu Arg Val Ala Asp Tyr
          20           25           30
Cys Glu Asn Asn Tyr Ile Xaa Ser Ala Asp Lys Gln Arg Ala Leu Glu
          35           40           45
Glu Thr Lys Ala Tyr Thr Thr Gln Ser Leu Ala Ser Val Ala Tyr Leu
          50           55           60
Ile Asn Thr Leu Ala Asn Asn Val Leu Gln Met Leu Asp Ile Gln Ala
65           70           75           80
Ser Gln Leu Arg Arg Met
          85

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051394 = 06000

[illegible]

<400> 5436

Met	Gly	Lys	Phe	Met	Lys	Pro	Gly	Lys	Val	Val	Leu	Val	Leu	Ala	Gly
1				5					10					15	
Arg	Tyr	Ser	Gly	Arg	Lys	Ala	Val	Ile	Val	Lys	Asn	Ile	Asp	Asp	Gly
			20					25					30		
Thr	Ser	Asp	Arg	Pro	Tyr	Ser	His	Ala	Leu	Val	Ala	Gly	Ile	Asp	Arg
		35					40					45			
Tyr	Pro	Arg	Lys	Val	Thr	Ala	Ala	Met	Gly	Lys	Lys	Lys	Ile	Ala	Lys
	50					55					60				
Arg	Ser	Lys	Ile	Lys	Ser	Phe	Val	Lys	Val	Tyr	Asn	Tyr	Asn	His	Leu
65					70					75					80
Met	Pro	Thr	Arg	Tyr	Ser	Val	Asp	Ile	Pro	Leu	Asp	Lys	Thr	Val	Val
				85					90					95	
Asn	Lys	Asp	Val	Phe	Arg	Asp	Pro	Ala	Leu	Lys	Arg	Lys	Ala	Arg	Arg
			100					105					110		
Glu	Ala	Lys	Val	Ser	Leu	Lys	Arg	Asp	Thr	Asp					
		115					120								

<400> 5437

Met	Gly	Lys	Phe	Met	Lys	Pro	Gly	Lys	Val	Val	Leu	Val	Leu	Ala	Gly
1				5					10					15	
Arg	Tyr	Ser	Gly	Arg	Lys	Ala	Val	Ile	Val	Lys	Asn	Ile	Asp	Asp	Gly
			20					25					30		
Thr	Ser	Asp	Arg	Pro	Tyr	Ser	His	Ala	Leu	Val	Ala	Gly	Ile	Asp	Arg
		35					40					45			
Tyr	Pro	Arg	Lys	Val	Thr	Ala	Ala	Met	Gly	Lys	Lys	Lys	Ile	Ala	Lys

50		55		60	
Arg Ser Lys Ile Lys Ser Phe Val Lys Val Tyr Asn Tyr Asn His Leu					
65		70		75	80
Met Pro Thr Arg Tyr Ser Val Asp Ile Pro Leu Asp Lys Thr Val Val					
	85		90		95
Asn Lys Asp Val Phe Arg Asp Pro Ala Leu Lys Arg Lys Ala Arg Arg					
	100		105		110
Glu Ala Lys Val Ser Leu Lys Arg Asp Thr Asp					
	115		120		

<210> 5438
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 5438	
Met Asn Phe Pro Pro Gln Ser Pro Ala Arg Gly Ser Leu Asp Ala Val	
1	5 10 15
Gly Pro Gly Arg Gly Ser Pro Arg Leu Asp Cys Ser Ser Glu Trp Pro	
	20 25 30
Xaa Leu Pro Cys Gln Ala Ala Ala Glu Thr Thr Arg Arg Ser Thr Cys	
	35 40 45
Glu Asn Thr Cys	
50	

<210> 5439
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 5439	
Met Thr Asp Asn Ser Asn Asn Gln Leu Val Val Arg Ala Lys Phe Asn	
1	5 10 15
Phe Gln Gln Thr Asn Glu Asp Glu Leu Ser Phe Ser Lys Gly Asp Val	
	20 25 30
Ile His Val Thr Arg Val Glu Glu Gly Gly Trp Trp Glu Gly Thr Leu	
	35 40 45
Asn Gly Arg Thr Gly Trp Phe Pro Ser Asn Tyr Val Arg Glu Val Lys	
	50 55 60
Ala Ser Glu Lys Pro Val Ser Pro Lys Ser Gly Thr Leu Lys Ser Pro	
65	70 75 80
Pro Lys Gly Phe Asp Thr Thr Ala Ile Xaa Lys Ser Tyr Tyr Asn Val	
	85 90 95
Val Ala Arg Ser Ser Ala Glu Ser Arg Arg Leu Leu Phe Lys Pro Asp	
	100 105 110
Ala	

<210> 5440
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 5440
 Met Ser Gly Phe Glu Asn Leu Asn Thr Asp Phe Tyr Gln Thr Ser Tyr

1 5 10 15
 Ser Ile Asp Asp Gln Ser Gln Gln Ser Tyr Asp Tyr Gly Gly Ser Gly
 20 25 30
 Gly Pro Tyr Ser Lys Gln Tyr Ala Gly Tyr Asp Tyr Ser Gln Gln Gly
 35 40 45
 Arg Phe Val Pro Pro Asp Met Met Gln Pro Gln Gln Pro Tyr Thr Gly
 50 55 60
 Gln Ile Tyr Gln Pro Thr Gln Ala Tyr Thr Pro Ala Ser Pro Gln Pro
 65 70 75 80
 Phe Tyr Gly Asn Asn Phe Glu
 85

<210> 5441
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5441
 Met Ser Asp Ser Gly Ser Gln Leu Gly Ser Met Gly Ser Leu Thr Met
 1 5 10 15
 Lys Ser Gln Leu Gln Ile Thr Val Ile Ser Ala Lys Leu Lys Glu Asn
 20 25 30
 Lys Lys Asn Trp Phe Gly Pro Ser Pro Tyr Val Glu Val Thr Val Asp
 35 40 45
 Gly Gln Ser Lys Lys Thr Glu Lys Cys Asn Asn Thr Asn Ser Pro Lys
 50 55 60
 Trp Lys Gln Pro Leu Thr Val Ile Val Thr
 65 70

<210> 5442
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5442
 Met Glu Tyr Met Ala Glu Ser Thr Asp Arg Ser Pro Gly His Ile Leu
 1 5 10 15
 Cys Cys Glu Cys Gly Val Pro Ile Ser Pro Asn Pro Ala Asn Ile Cys
 20 25 30
 Val Ala Cys Leu Arg Ser Lys Val Asp Ile Ser Gln Gly Ile Pro Lys
 35 40 45
 Gln Val Ser Ile Ser Phe Cys Lys Gln Cys Gln Arg Tyr Phe Gln Pro
 50 55 60
 Pro Gly Thr Trp Ile Gln Cys Ala Leu Glu Ser
 65 70 75

<210> 5443
 <211> 525
 <212> PRT
 <213> Homo sapiens

<400> 5443
 Met Pro Val Ala Arg Ser Trp Val Cys Arg Lys Thr Tyr Val Thr Pro
 1 5 10 15

Arg	Arg	Pro	Phe	Glu	Lys	Ser	Arg	Leu	Asp	Gln	Glu	Leu	Lys	Leu	Ile
			20					25					30		
Gly	Glu	Tyr	Gly	Leu	Arg	Asn	Lys	Arg	Glu	Val	Trp	Arg	Val	Lys	Phe
		35					40					45			
Thr	Leu	Ala	Lys	Ile	Arg	Lys	Ala	Ala	Arg	Glu	Leu	Leu	Thr	Leu	Asp
	50					55					60				
Glu	Lys	Asp	Pro	Arg	Arg	Leu	Phe	Glu	Gly	Asn	Ala	Leu	Leu	Arg	Arg
65					70					75					80
Leu	Val	Arg	Ile	Gly	Val	Leu	Asp	Glu	Gly	Lys	Met	Lys	Leu	Asp	Tyr
				85					90					95	
Ile	Leu	Gly	Leu	Lys	Ile	Glu	Asp	Phe	Leu	Glu	Arg	Arg	Leu	Gln	Thr
			100					105					110		
Gln	Val	Phe	Lys	Leu	Gly	Leu	Ala	Lys	Ser	Ile	His	His	Ala	Arg	Val
		115					120					125			
Leu	Ile	Arg	Gln	Arg	His	Ile	Arg	Val	Arg	Lys	Gln	Val	Val	Asn	Xaa
	130					135					140				
Pro	Ser	Phe	Ile	Val	Arg	Leu	Asp	Ser	Xaa	Lys	His	Ile	Asp	Phe	Ser
145					150					155					160
Leu	Arg	Ser	Pro	Tyr	Gly	Gly	Gly	Arg	Pro	Gly	Arg	Val	Lys	Arg	
				165					170					175	

<210> 5444
 <211> 525
 <212> PRT
 <213> Homo sapiens

Met	Pro	Val	Ala	Arg	Ser	Trp	Val	Cys	Arg	Lys	Thr	Tyr	Val	Thr	Pro
1			5					10						15	
Arg	Arg	Pro	Phe	Glu	Lys	Ser	Arg	Leu	Asp	Gln	Glu	Leu	Lys	Leu	Ile
		20						25					30		
Gly	Glu	Tyr	Gly	Leu	Arg	Asn	Lys	Arg	Glu	Val	Trp	Arg	Val	Lys	Phe
		35					40					45			
Thr	Leu	Ala	Lys	Ile	Arg	Lys	Ala	Ala	Arg	Glu	Leu	Leu	Thr	Leu	Asp
	50					55					60				
Glu	Lys	Asp	Pro	Arg	Arg	Leu	Phe	Glu	Gly	Asn	Ala	Leu	Leu	Arg	Arg
65					70					75					80
Leu	Val	Arg	Ile	Gly	Val	Leu	Asp	Glu	Gly	Lys	Met	Lys	Leu	Asp	Tyr
				85					90					95	
Ile	Leu	Gly	Leu	Lys	Ile	Glu	Asp	Phe	Leu	Glu	Arg	Arg	Leu	Gln	Thr
			100					105					110		
Gln	Val	Phe	Lys	Leu	Gly	Leu	Ala	Lys	Ser	Ile	His	His	Ala	Arg	Val
		115					120					125			
Leu	Ile	Arg	Gln	Arg	His	Ile	Arg	Val	Arg	Lys	Gln	Val	Val	Asn	Xaa
	130					135					140				
Pro	Ser	Phe	Ile	Val	Arg	Leu	Asp	Ser	Xaa	Lys	His	Ile	Asp	Phe	Ser
145					150					155					160
Leu	Arg	Ser	Pro	Tyr	Gly	Gly	Gly	Arg	Pro	Gly	Arg	Val	Lys	Arg	
				165					170					175	

<210> 5445
 <211> 309
 <212> PRT
 <213> Homo sapiens

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<400> 5445

Met	Ser	Asp	Cys	Tyr	Thr	Glu	Leu	Glu	Lys	Ala	Val	Ile	Val	Leu	Val
1				5					10					15	
Glu	Asn	Phe	Tyr	Lys	Tyr	Val	Ser	Lys	Tyr	Ser	Leu	Val	Lys	Asn	Lys
			20					25					30		
Ile	Ser	Lys	Ser	Ser	Phe	Arg	Glu	Met	Leu	Gln	Lys	Glu	Leu	Asn	His
		35					40					45			
Met	Leu	Ser	Asp	Thr	Gly	Asn	Arg	Xaa	Ala	Ala	Asp	Lys	Leu	Ile	Gln
	50					55					60				
Asn	Leu	Asp	Ala	Asn	His	Asp	Gly	Arg	Ile	Ser	Phe	Asp	Glu	Tyr	Xaa
65					70				75						80
Thr	Leu	Ile	Gly	Gly	Ile	Thr	Gly	Pro	Ile	Ala	Lys	Leu	Ile	His	Glu
			85					90						95	
Gln	Glu	Gln	Gln	Ser	Ser	Ser									
			100												

<210> 5446

<211> 198

<212> PRT

<213> Homo sapiens

<400> 5446

Met	Ser	Asp	Cys	Tyr	Thr	Glu	Leu	Glu	Lys	Ala	Val	Ile	Val	Leu	Val
1				5					10					15	
Glu	Asn	Phe	Tyr	Lys	Tyr	Val	Ser	Lys	Tyr	Ser	Leu	Val	Lys	Asn	Lys
			20					25					30		
Ile	Ser	Lys	Ser	Ser	Phe	Arg	Glu	Met	Leu	Gln	Lys	Glu	Leu	Asn	His
		35					40					45			
Met	Leu	Ser	Val	Arg	Pro	Leu	Thr	Gln	Gly	Pro	Cys	Leu	Pro	Leu	Pro
	50					55					60				
Phe	Pro														
65															

<210> 5447

<211> 309

<212> PRT

<213> Homo sapiens

<400> 5447

Met	Ser	Asp	Cys	Tyr	Thr	Glu	Leu	Glu	Lys	Ala	Val	Ile	Val	Leu	Val
1				5					10					15	
Glu	Asn	Phe	Tyr	Lys	Tyr	Val	Ser	Lys	Tyr	Ser	Leu	Val	Lys	Asn	Lys
			20					25					30		
Ile	Ser	Lys	Ser	Ser	Phe	Arg	Glu	Met	Leu	Gln	Lys	Glu	Leu	Asn	His
		35					40					45			
Met	Leu	Ser	Asp	Thr	Gly	Asn	Arg	Lys	Ala	Ala	Asp	Lys	Leu	Ile	Gln
	50					55					60				
Asn	Leu	Asp	Ala	Asn	His	Asp	Gly	Arg	Ile	Ser	Phe	Asp	Glu	Tyr	Trp
65					70				75						80
Thr	Leu	Ile	Gly	Gly	Ile	Thr	Gly	Pro	Ile	Ala	Lys	Leu	Ile	His	Glu
			85					90						95	
Xaa	Glu	Gln	Gln	Ser	Ser	Ser									
			100												

<210> 5448
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5448
 Met Ala Pro Ser Val Pro Ala Ala Glu Pro Glu Tyr Pro Lys Gly Ile
 1 5 10 15
 Arg Ala Val Leu Leu Gly Pro Pro Gly Ala Gly Lys Gly Thr Gln Ala
 20 25 30
 Pro Arg Leu Ala Glu Asn Phe Cys Val Cys His Leu Ala Thr Gly Xaa
 35 40 45
 Met Leu Arg Ala Met Val Ala Ser Gly Ser Glu Leu Gly Lys Lys Leu
 50 55 60
 Lys Ala Thr Met Asp Ala Gly Lys Leu Val Ser Asp Glu Met Val Val
 65 70 75 80
 Glu Leu Ile Glu Lys Asn Leu Glu Thr Pro Leu Cys Lys Asn Gly Phe
 85 90 95
 Leu Leu Asp Gly Phe Pro Arg Thr Val Arg
 100 105

<210> 5449
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 5449
 Met Asn Gly Arg Ala Asp Phe Arg Glu Pro Asn Ala Glu Val Pro Arg
 1 5 10 15
 Pro Ile Pro His Ile Gly Pro Asp Tyr Ile Pro Thr Glu Glu Glu Arg
 20 25 30
 Arg Val Phe Ala Glu Cys Asn Asp Glu Ser Phe Trp Phe Arg Ser Val
 35 40 45
 Pro Leu Ala Ala Thr Ser Met Leu Ile Thr Gln Gly Leu Ile Ser Lys
 50 55 60
 Gly Ile Leu Ser Ser His Pro Lys Tyr Gly Ser Ile Pro Lys Leu Ile
 65 70 75 80
 Leu Ala Cys Ile Met Gly Tyr Phe Ala Gly Lys Leu Ser Tyr Val Lys
 85 90 95
 Thr Cys Gln Glu Lys Phe Lys Lys Leu Glu Asn Ser Pro Leu Gly Glu
 100 105 110
 Ala Leu Arg Ser Gly Gln Ala Arg Arg Ser Ser Pro Pro
 115 120 125

<210> 5450
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 5450
 Met Glu Phe Val Lys Cys Leu Gly His Pro Glu Glu Phe Tyr Asn Leu
 1 5 10 15
 Val Arg Phe Arg Ile Gly Gly Lys Arg Lys Val Met Pro Lys Met Asp

			20						25					30			
Gln	Asp	Ser	Leu	Ser	Ser	Ser	Leu	Lys	Thr	Cys	Tyr	Xaa	Tyr	Leu	Asn		
	35						40					45					
Gln	Thr	Ser	Arg	Ser	Phe	Ala	Ala	Val	Ile	Gln	Ala	Leu	Asp	Gly	Glu		
	50					55					60						
Met	Arg	Asn	Ala	Val	Cys	Ile	Phe	Tyr	Leu	Val	Leu	Arg	Ala	Leu	Asp		
65					70					75					80		
Thr	Leu	Glu	Asp	Asp	Met	Thr	Ile	Ser	Val	Glu	Lys	Lys	Val	Pro	Leu		
				85					90					95			
Leu	His	Asn	Phe	His	Ser	Phe	Leu	Tyr	Gln	Pro	Asp	Trp	Arg	Phe	Met		
		100						105					110				
Glu	Ser	Lys	Glu	Lys	Asp	Arg	Gln	Val	Leu	Glu	Asp	Phe	Pro	Thr	Ile		
		115					120						125				

Ser

<210> 5451
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5451

Met	Glu	Glu	Ala	Ser	Glu	Gly	Gly	Gly	Asn	Asp	Arg	Val	Arg	Asn	Leu		
1				5					10					15			
Gln	Ser	Glu	Val	Glu	Gly	Val	Lys	Asn	Ile	Met	Thr	Gln	Asn	Val	Glu		
		20					25						30				
Arg	Ile	Leu	Val	Arg	Gly	Glu	Asn	Leu	Glu	His	Leu	Arg	Asn	Lys	Thr		
	35					40						45					
Glu	Asp	Leu	Glu	Ala	Thr	Ser	Glu	His	Phe	Lys	Thr	Thr	Ser	Gln	Lys		
	50					55					60						
Val	Ala	Arg	Lys	Phe	Trp	Trp	Lys	Asn	Val	Lys	Met	Ile	Val	Leu	Ile		
65					70					75					80		
Cys	Val	Ile	Val	Phe	Ile												
				85													

<210> 5452
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 5452

Met	Ala	Ile	Phe	Ser	Val	Tyr	Val	Val	Asn	Lys	Ala	Gly	Gly	Leu	Ile		
1				5					10					15			
Tyr	Gln	Leu	Asp	Ser	Tyr	Ala	Pro	Arg	Ala	Glu	Ala	Glu	Lys	Thr	Phe		
		20						25					30				
Ser	Tyr	Pro	Leu	Asp	Leu	Leu	Leu	Lys	Leu	His	Asp	Glu	Arg	Val	Leu		
		35					40					45					
Val	Ala	Phe	Gly	Gln	Arg	Asp	Gly	Ile	Arg	Val	Gly	His	Ala	Val	Leu		
	50					55					60						
Ala	Ile	Asn	Gly	Met	Asp	Val	Asn	Gly	Arg	Tyr	Thr	Ala	Asp	Gly	Xaa		
65					70					75					80		
Glu	Val	Leu	Ser	Ile	Trp	Val	Thr	Leu	Leu	Ile	Thr	Arg	Cys	Pro	Phe		
			85					90						95			
Asp	Leu	Ala	Gly	Pro	Ala	Ser	Leu	Leu	Met	Arg	Ser	Leu	Cys	Trp	Pro		
		100						105					110				

Pro Cys Ser Thr Arg Ser Leu Pro Ser Ala Pro Ser Cys Leu Leu Asn
 115 120 125
 Arg Glu Ala Gln Ala Leu Xaa Cys Trp Arg Gln Thr His Ser Asn Cys
 130 135 140
 Thr
 145

<210> 5453
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5453
 Met Glu Tyr Tyr Leu Val Lys Trp Lys Gly Trp Pro Asp Ser Thr Asn
 1 5 10 15
 Thr Trp Glu Pro Leu Gln Asn Leu Lys Cys Pro Leu Leu Leu Gln Gln
 20 25 30
 Phe Ser Asn Asp Lys His Asn Tyr Leu Ser Gln Val Lys Lys Gly Lys
 35 40 45
 Ala Ile Thr Pro Lys Asp Asn Asn Lys Thr Leu Lys Pro Ala Ile Ala
 50 55 60
 Glu Tyr Ile Val Lys Lys Ala Lys Gln Arg Ile Ala Leu Gln Arg Trp
 65 70 75 80
 Gln Asp Glu Leu Asn Arg Arg Lys Asn His Lys Gly Met Ile Phe Val
 85 90 95
 Glu Asn Thr Val Asp Leu Glu Gly
 100

<210> 5454
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 5454
 Met Ala Asn Asn Thr Thr Ser Leu Gly Ser Pro Trp Pro Glu Asn Phe
 1 5 10 15
 Trp Glu Asp Leu Ile Met Ser Phe Thr Asp Pro Trp Gln Ser Gly Trp
 20 25 30
 Tyr Leu Glu Asp Leu Phe Gly Leu Cys Ser Phe Val Cys Leu Glu Glu
 35 40 45
 Glu Glu Pro Val Leu Pro Ser His Ser Gly Val Gln Ala Gly Asp Leu
 50 55 60
 Gly Leu Leu Thr Pro Thr Ala Ser Thr Glu Leu Asp Phe Thr Ala Thr
 65 70 75 80
 Val Ala Val Asn Val Glu Ala Thr Ser Ala Trp Pro Val Ser Pro Ser
 85 90 95
 Ser Asp Lys Leu Pro Trp Asn Lys Gln Ile Pro Phe Gln Glu Asn Gln
 100 105 110
 Val Ser Glu Leu Leu Leu Ser Ile Pro Phe Cys Lys Cys Pro Pro Leu
 115 120 125
 Pro Val Glu Thr Glu Ser Gln Leu
 130 135

<210> 5455

<211> 249
 <212> PRT
 <213> Homo sapiens

<400> 5455
 Met Ala Leu Leu Cys Tyr Asn Arg Gly Cys Gly Gln Arg Phe Asp Pro
 1 5 10 15
 Glu Thr Asn Ser Asp Asp Ala Cys Thr Tyr His Pro Gly Val Pro Val
 20 25 30
 Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Lys Arg Arg Thr Thr
 35 40 45
 Asp Phe Ser Asp Phe Leu Ser Ile Val Gly Cys Thr Lys Gly Arg His
 50 55 60
 Asn Ser Glu Lys Pro Pro Glu Pro Val Lys Pro Glu Val Lys Thr Thr
 65 70 75 80
 Glu Lys Lys

<210> 5456
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 5456
 Met Leu Asp Gly Ser Val Lys Thr Val Met Val Asp Asp Ser Lys Thr
 1 5 10 15
 Val Gly Glu Leu Leu Val Thr Ile Cys Ser Arg Ile Gly Ile Thr Asn
 20 25 30
 Tyr Glu Glu Tyr Ser Leu Ile Gln Glu Thr Ile Glu Glu Lys Lys Glu
 35 40 45
 Glu Gly Thr Gly Thr Leu Lys Lys Asp Arg Thr Leu Leu Arg Asp Glu
 50 55 60

<210> 5457
 <211> 297
 <212> PRT
 <213> Homo sapiens

<400> 5457
 Met Ser Gln Trp His His Pro Arg Ser Gly Trp Gly Arg Arg Arg Asp
 1 5 10 15
 Phe Ser Gly Arg Ser Ser Ala Lys Lys Lys Gly Gly Asn His Ile Pro
 20 25 30
 Glu Arg Trp Lys Asp Tyr Leu Pro Val Gly Gln Arg Met Pro Gly Thr
 35 40 45
 Arg Phe Ile Ala Phe Lys Val Pro Leu Gln Lys Ser Phe Glu Lys Lys
 50 55 60
 Leu Ala Pro Glu Glu Cys Phe Ser Pro Leu Asp Leu Phe Asn Lys Ile
 65 70 75 80
 Arg Glu Gln Asn Glu Glu Leu Gly Leu Ile Ile Asp Leu Thr Tyr Thr
 85 90 95
 Gln Arg Tyr

<210> 5458
 <211> 369

<212> PRT
 <213> Homo sapiens

<400> 5458

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Met Pro Leu Arg Leu Asp Ile Lys Arg Lys Leu Thr Ala Arg Ser Asp
1          5          10          15
Arg Val Lys Ser Val Asp Leu His Pro Thr Glu Pro Trp Met Leu Ala
          20          25          30
Ser Leu Tyr Asn Gly Ser Val Cys Val Trp Asn His Glu Thr Gln Thr
          35          40          45
Leu Val Lys Thr Phe Glu Val Cys Asp Leu Pro Val Arg Ala Ala Lys
          50          55          60
Phe Val Ala Arg Lys Asn Trp Val Val Thr Gly Ala Asp Asp Met Gln
65          70          75          80
Ile Arg Val Phe Asn Tyr Asn Thr Leu Glu Arg Val His Met Phe Glu
          85          90          95
Ala His Ser Asp Tyr Ile Arg Cys Ile Ala Val His Pro Thr Gln Pro
          100          105          110
Phe Ile Xaa Leu Ala Val Met Thr Cys Leu Leu
          115          120

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<210> 5459
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 5459

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Met Ser Ser Leu Pro Arg Arg Ala Lys Val Gln Val Gln Asp Val Val
1          5          10          15
Leu Lys Asp Glu Phe Ser Ser Phe Ser Glu Leu Ser Ser Ala Ser Glu
          20          25          30
Glu Asp Asp Lys Glu Asp Ser Ala Trp Glu Pro Gln Lys Lys Val Pro
          35          40          45
Arg Ser Arg Lys Gln Pro Pro Lys Glu Ser Lys Pro Lys Arg Met
          50          55          60
Pro Arg Val Lys Lys Asn Ala Pro Gln Ile Ser Asp Gly Ser Glu Val
65          70          75          80
Val Val Val Lys Glu Glu Leu Asn Ser Ser Val Ala Ile Ala Asp Thr
          85          90          95
Ala Leu Glu Asp Arg Lys Asn Lys Leu Asp Thr Val Gln Thr Leu Lys
          100          105          110
Thr Ala Lys Thr
          115

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<210> 5460
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 5460

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Met His Pro Gln Ser Leu Ala Glu Glu Glu Ile Lys Thr Glu Gln Glu
1          5          10          15
Val Val Xaa Gly His Gly Tyr Leu Tyr Ser Leu Gln Arg Ser Trp Leu
          20          25          30

```


Cys Arg Glu Asn Ser Pro Glu Lys Lys Val Pro Gln Pro Ser Thr Phe
 35 40 45
 Phe Gln Trp Pro Leu Ala Ala Asp Thr Ser Thr Ser Pro Ile Lys Lys
 50 55 60
 Lys Lys Lys Pro Gly Leu Leu Asn Ser Asn Asn Lys Glu Gln Asp Gly
 65 70 75 80
 Arg Asn Asp Phe Tyr Cys Trp Val Cys His Arg Glu Gly Gln Val Leu
 85 90 95
 Cys Cys Glu Leu Cys Pro Arg Val Tyr His Ala Lys Cys Leu Arg Leu
 100 105 110

<210> 5461
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 5461
 Met Trp Asn Ser Gly Phe Glu Ser Tyr Gly Ser Ser Ser Tyr Gly Gly
 1 5 10 15
 Ala Gly Gly Tyr Thr Gln Ser Pro Gly Gly Phe Gly Ser Pro Ala Pro
 20 25 30
 Ser Gln Ala Glu Lys Lys Ser Arg Ala Arg Ala Gln His Ile Val Pro
 35 40 45
 Cys Thr Ile Ser Gln Leu Leu Ser Ala Thr Leu Val Asp Glu Val Phe
 50 55 60
 Arg Ile Gly Asn Val Glu Ile Ser Gln Val Thr Ile Val Gly Ile Ile
 65 70 75 80
 Arg His Ala Glu Lys Ala Pro Thr Asn Ile Val Tyr Lys Ile Asp Asp
 85 90 95
 Met Thr

<210> 5462
 <211> 486
 <212> PRT
 <213> Homo sapiens

<400> 5462
 Met Ser Leu Ser Asp Lys Gln Thr Ala Ser Leu Thr Ala Ala Tyr Gly
 1 5 10 15
 Gln Leu Ser Lys Gly Lys Pro Ala Glu Cys Arg Met Asp Ser Pro Lys
 20 25 30
 Glu Ile Ser Gln Ala Gly Phe Glu Trp Gln Arg Thr Glu Gly Lys Leu
 35 40 45
 Asn Glu Ile Gly Leu Asn Val Ser Met Asp Gly Gln Pro Lys Asp Gly
 50 55 60
 Leu Val Xaa Asn Ala Ser Phe Leu Glu Gln Asn Lys Leu Cys Phe Phe
 65 70 75 80
 Glu Gly Lys Leu Asp Lys Glu Leu Ser Ile Glu Met Gln Asp Lys Asp
 85 90 95
 Cys Gln Glu Ala Ser Gly His Leu Glu Ser Arg Tyr Val Ile Ser Glu
 100 105 110
 Thr Cys His Pro Leu Glu Gly Asn Ser Val His Gln Lys Thr Ser Glu
 115 120 125
 Phe His Leu Gly Leu Ile Glu Gly Pro Asp Lys Asn Lys Thr Ile Pro

130 135 140
 Val Gln Gly Lys Val Ala Gly Lys Asn Gly Leu Glu Thr Lys Ser Gln
 145 150 155 160
 Ser Asp

<210> 5463
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 5463
 Met Glu Arg Ser Asp Asp Leu Met Arg Val Arg Thr Arg Gly Arg Ala
 1 5 10 15
 Leu Arg Leu Arg Gly Arg Ala Trp Val Arg Thr Thr Arg Ala Ala Ala
 20 25 30
 Thr Ser Asp Arg His Pro Ser Cys Ala Leu Pro Phe His Glu Asn Tyr
 35 40 45
 His Leu Leu
 50

<210> 5464
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5464
 Met Ser Gly Asp Gly Ala Xaa Glu Gln Ala Ala Glu Tyr Val Pro Glu
 1 5 10 15
 Lys Val Lys Lys Ala Glu Lys Lys Leu Glu Glu Asn Pro Tyr Asp Leu
 20 25 30
 Asp Ala Trp Ser Ile Leu Ile Arg Glu Ala Gln Asn Gln Pro Ile Asp
 35 40 45
 Lys Ala Arg Lys Thr Tyr Glu Arg Leu Val Ala Gln Phe Pro Ser Ser
 50 55 60
 Gly Arg Phe Trp Lys Leu Tyr Ile Glu Ala
 65 70

<210> 5465
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 5465
 Met Ala Ser Pro Val Ala Ala Gln Ala Gly Lys Leu Leu Arg Ala Leu
 1 5 10 15
 Ala Leu Arg Pro Arg Phe Leu Ala Ala Gly Ser Gln Ala Val Gln Leu
 20 25 30
 Thr Ser Arg Arg Trp Leu Asn Leu Gln Glu Tyr Gln Ser Lys Lys Leu
 35 40 45
 Met Ser Asp Asn Gly Val Arg Val Gln Arg Phe Phe Val Ala Asp Thr
 50 55 60
 Ala Asn Glu Ala Leu Glu Ala Ala Lys Arg Leu Asn Ala Lys Glu Ile
 65 70 75 80
 Val Leu Lys Ala Gln Ile Leu Ala Gly Gly Arg Gly Lys Gly Val Phe

85 90 95
 Asn Ser Gly Leu Lys Gly Gly Val His Xaa Thr Lys Asp Pro Asn Val
 100 105 110
 Val Gly Gln Leu Ala Lys Gln
 115

<210> 5466
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5466
 Met Gln Gly Gly Asn Ser Gly Val Arg Lys Arg Glu Glu Glu Gly Asp
 1 5 10 15
 Gly Ala Gly Ala Val Ala Ala Pro Pro Ala Ile Asp Phe Pro Ala Glu
 20 25 30
 Gly Pro Asp Pro Glu Tyr Asp Glu Ser Asp Val Pro Ala Xaa Ile Gln
 35 40 45
 Val Leu Lys Glu Pro Leu Gln Gln Pro Thr Phe Pro Phe Ala Val Ala
 50 55 60
 Asn Gln Leu Leu Leu Val Ser Leu Leu Glu His Leu Ser His Val His
 65 70 75 80
 Glu

<210> 5467
 <211> 453
 <212> PRT
 <213> Homo sapiens

<400> 5467
 Met Gly Glu Leu Met Ala Phe Leu Leu Pro Leu Ile Ile Val Leu Met
 1 5 10 15
 Val Lys His Ser Asp Ser Arg Thr His Ser Leu Arg Tyr Phe Arg Leu
 20 25 30
 Gly Val Ser Asp Pro Ile His Gly Val Pro Glu Phe Ile Ser Val Gly
 35 40 45
 Tyr Val Asp Ser His Pro Ile Thr Thr Tyr Asp Ser Val Thr Arg Gln
 50 55 60
 Lys Glu Pro Arg Ala Pro Trp Met Ala Glu Asn Leu Ala Pro Asp His
 65 70 75 80
 Trp Glu Arg Tyr Thr Gln Leu Leu Arg Gly Trp Gln Gln Met Phe Lys
 85 90 95
 Val Glu Leu Lys Arg Leu Gln Arg His Tyr Asn His Ser Gly Ser His
 100 105 110
 Thr Tyr Gln Arg Met Ile Gly Cys Glu Leu Leu Glu Asp Gly Ser Thr
 115 120 125
 Thr Gly Phe Leu Gln Tyr Ala Tyr Asp Gly Gln Asp Phe Leu Ile Phe
 130 135 140
 Asn Lys Asp Thr Leu Ser Trp
 145 150

<210> 5468
 <211> 198
 <212> PRT

<213> Homo sapiens

<400> 5468

Met Asn Leu Gly Ala Arg Lys Ser Lys Lys Leu Gly Lys Leu Lys Gly
1 5 10 15
Ile His Glu Glu Gln Pro Gln Gln Gln Gln Pro Pro Pro Pro Pro Pro
20 25 30
Pro Pro Gln Ser Pro Glu Glu Gly Thr Thr Tyr Ile Ala Pro Ala Lys
35 40 45
Glu Pro Ser Val Asn Thr Ala Leu Val Pro Gln Leu Ser Thr Ile Ser
50 55 60
Arg Thr
65

<210> 5469

<211> 384

<212> PRT

<213> Homo sapiens

<400> 5469

Met Asp Glu Asp Gly Leu Pro Leu Met Gly Ser Gly Ile Asp Leu Thr
1 5 10 15
Xaa Val Pro Ala Ile Gln Gln Lys Arg Thr Val Ala Phe Leu Asn Gln
20 25 30
Phe Val Val His Thr Val Gln Phe Leu Asn Arg Phe Ser Thr Val Cys
35 40 45
Glu Glu Lys Leu Ala Asp Leu Ser Leu Arg Ile Gln Gln Ile Glu Thr
50 55 60
Thr Leu Asn Ile Leu Asp Ala Lys Xaa Ser Ser Ile Pro Gly Leu Asp
65 70 75 80
Asp Val Thr Val Glu Val Ser Pro Leu Asn Val Thr Ser Val Thr Asn
85 90 95
Gly Ala His Pro Glu Ala Thr Ser Glu Gln Pro Gln Gln Asn Ser Thr
100 105 110
Arg Asp Ser Gly Leu Gln Glu Ser Glu Val Ser Ala Glu Asn Ile Leu
115 120 125

<210> 5470

<211> 291

<212> PRT

<213> Homo sapiens

<400> 5470

Met Glu Gln Val Ala Glu Gly Ala Arg Val Thr Ala Val Pro Val Ser
1 5 10 15
Ala Ala Asp Ser Thr Glu Glu Leu Ala Glu Val Glu Glu Gly Val Gly
20 25 30
Val Val Gly Glu Asp Asn Asp Ala Ala Ala Arg Gly Ala Glu Ala Phe
35 40 45
Gly Asp Ser Glu Glu Asp Gly Glu Asp Val Phe Glu Val Glu Lys Ile
50 55 60
Leu Asp Met Lys Thr Glu Gly Gly Lys Val Leu Tyr Lys Val Arg Trp
65 70 75 80
Lys Gly Tyr Thr Ser Asp Asp Asp Thr Trp Glu Pro Glu Ile His Leu

85 90 95

Glu

<210> 5471
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 5471
 Met Ala Ala Gln Ile Val Ser Gly Arg Gly Cys Ser Leu Cys Gly Gly
 1 5 10 15
 Trp Arg Leu Met Ser Ala Val Asp Ser Arg Trp Ala Leu Gly His Val
 20 25 30
 Ser Leu Leu Ala Tyr Cys Leu Arg Gly Thr Glu Val Lys Gly Arg Ser
 35 40 45
 Leu Phe Gly Ser Phe Leu His Ser
 50 55

<210> 5472
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 5472
 Met Ser Ser Arg Lys Ser Lys Ser Asn Ser Leu Ile His Thr Glu Cys
 1 5 10 15
 Leu Ser Gln Val Gln Arg Ile Leu Arg Glu Arg Phe Cys Arg Gln Ser
 20 25 30
 Pro His Ser Asn Leu Phe Gly Val Gln Val Gln Tyr Lys His Leu Ser
 35 40 45
 Glu Leu Leu Lys Arg Thr Ala Leu His Gly Glu Ser Asn Ser Val Leu
 50 55 60
 Ile Ile Gly Pro Arg Gly Ser Gly Lys Thr Met Leu Ile Ser His Ala
 65 70 75 80
 Leu Lys Glu Leu Met Glu Ile Glu Glu Val Ser Glu Asn Val Leu Gln
 85 90 95
 Val His Leu Asn Gly Leu Leu Gln Xaa Xaa Asp Lys Ile Ala Leu Lys
 100 105 110
 Glu Ile Thr Arg
 115

<210> 5473
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5473
 Met Ala Thr Ser Ala Thr Ser Pro His Ala Pro Gly Phe Pro Ala Glu
 1 5 10 15
 Gly Arg Cys Gly Tyr Tyr Val Glu Lys Lys Lys Arg Phe Cys Arg Met
 20 25 30
 Val Val Ala Ala Gly Lys Arg Phe Cys Gly Glu His Ala Gly Ala Met
 35 40 45
 Glu Glu Glu Asp Ala Arg Lys Arg Ile Leu Cys Pro Leu Asp Pro Lys

50 55 60
 His Thr Val Tyr Glu Asp Gln Leu Xaa Lys His Leu Lys Lys Cys Asn
 65 70 75 80
 Ser Arg Glu Lys Pro Lys Pro Asp Phe Tyr Ile Gln Asp Ile Asn Ala
 85 90 95
 Gly Leu Arg Asp Glu Thr Glu Ile Pro
 100 105

<210> 5474
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 5474
 Met Ala Asn Gln Val Asn Gly Asn Ala Val Gln Leu Lys Glu Glu Glu
 1 5 10 15
 Glu Pro Met Asp Thr Ser Ser Val Thr His Thr Glu His Tyr Lys Thr
 20 25 30
 Leu Ile Glu Ala Gly Leu Pro Gln Lys Val Ala Glu Arg Leu Asp Glu
 35 40 45
 Ile Phe Gln Thr Gly Leu Val Ala Tyr Val Asp Leu Asp Glu Arg Ala
 50 55 60
 Ile Asp Ala Leu Arg Glu Phe Asn Glu Xaa Gly Ala Leu Ser Val Leu
 65 70 75 80
 Gln Gln Phe Lys Glu Ser Asp Leu Ser His Val Gln Asn Lys Ser Ala
 85 90 95
 Phe Leu Cys Gly Val Met Lys Thr Tyr Arg Gln Arg Glu Lys Gln Gly
 100 105 110
 Ser Lys Val Gln Glu Ser Thr Lys Gly Pro Asp Glu Ala Lys Ile Lys
 115 120 125
 Ala Leu Leu Glu Arg Thr Gly Tyr Thr Leu Asp Val
 130 135 140

<210> 5475
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 5475
 Met Ser Asp Met Glu Asp Asp Phe Met Cys Asp Asp Glu Glu Asp Tyr
 1 5 10 15
 Asp Leu Glu Tyr Ser Glu Asp Ser Asn Ser Glu Pro Asn Val Asp Leu
 20 25 30
 Glu Asn Gln Tyr Tyr Asn Ser Lys Ala Leu Lys Glu Asp Asp Pro Lys
 35 40 45
 Ala Ala Leu Ser Ser Phe Gln Lys Val Leu Glu Leu Glu Gly Glu Lys
 50 55 60
 Gly Glu Trp Gly Phe Lys Ala Leu Lys Gln Met Ile Lys Ile Asn Phe
 65 70 75 80
 Lys Leu Thr Asn Phe Pro Glu Met Met Asn Arg Tyr Lys Gln Leu Leu
 85 90 95
 Thr Tyr Ile Arg Ser
 100

<210> 5476
 <211> 552
 <212> PRT
 <213> Homo sapiens

<400> 5476
 Met Ala Ala Asn Val Gly Ser Met Phe Gln Tyr Trp Lys Arg Phe Asp
 1 5 10 15
 Leu Gln Gln Leu Gln Arg Glu Leu Asp Ala Thr Ala Thr Val Leu Ala
 20 25 30
 Asn Arg Gln Asp Glu Ser Glu Gln Ser Arg Lys Arg Leu Ile Glu Gln
 35 40 45
 Ser Arg Glu Phe Lys Lys Asn Thr Pro Glu Asp Leu Arg Lys Gln Val
 50 55 60
 Ala Pro Leu Leu Lys Ser Phe Gln Gly Glu Ile Asp Ala Leu Ser Lys
 65 70 75 80
 Arg Ser Lys Glu Ala Glu Ala Ala Phe Leu Asn Val Tyr Lys Arg Leu
 85 90 95
 Ile Asp Val Pro Asp Pro Val Pro Ala Leu Asp Leu Gly Gln Gln Leu
 100 105 110
 Gln Leu Lys Val Gln Arg Leu His Asp Ile Glu Thr Glu Asn Gln Lys
 115 120 125
 Leu Arg Glu Thr Leu Glu Glu Tyr Asn Lys Glu Phe Ala Glu Val Lys
 130 135 140
 Asn Gln Glu Val Thr Ile Lys Ala Leu Lys Glu Lys Ile Arg Glu Tyr
 145 150 155 160
 Glu Gln Thr Leu Lys Asn Gln Ala Glu Thr Ile Ala Leu Glu Lys Glu
 165 170 175
 Gln Lys Leu Gln Asn Asp Phe Ala
 180

<210> 5477
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 5477
 Met Ala Gly Lys Gln Ala Val Ser Ala Ser Gly Lys Trp Leu Asp Gly
 1 5 10 15
 Ile Arg Lys Trp Tyr Tyr Asn Ala Ala Gly Phe Asn Lys Leu Gly Leu
 20 25 30
 Met Arg Asp Asp Thr Ile Tyr Glu Asp Glu Asp Val Lys Glu Ala Ile
 35 40 45
 Arg Arg Leu Pro Glu Asn Leu Tyr Asn Asp Arg Met Phe Arg Ile Lys
 50 55 60
 Arg Ala Leu Asp Leu Asn Leu Lys His Gln Ile Leu Pro Lys Glu Gln
 65 70 75 80
 Trp Thr Lys Tyr Glu Glu Val Phe Ala Val Pro Ala Leu His Ser Ala
 85 90 95
 Ser Tyr Leu Glu Lys Asp Gln Pro Ile Glu Cys Pro Ser Arg Ser Gln
 100 105 110
 Glu Glu Leu Cys Glu Ala Asn
 115

<210> 5478
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 5478
 Met Ala Gly Lys Gln Ala Val Ser Ala Ser Gly Lys Trp Leu Asp Gly
 1 5 10 15
 Ile Arg Lys Trp Tyr Tyr Asn Ala Ala Gly Phe Asn Lys Leu Gly Leu
 20 25 30
 Met Arg Asp Asp Thr Ile Tyr Glu Asp Glu Asp Val Lys Glu Ala Ile
 35 40 45
 Arg Arg Leu Pro Glu Asn Leu Tyr Asn Asp Arg Met Phe Arg Ile Lys
 50 55 60
 Arg Ala Leu Asp Leu Asn Leu Lys His Gln Ile Leu Pro Lys Glu Gln
 65 70 75 80
 Trp Thr Lys Tyr Glu Glu Val Ala Gln Leu Tyr Leu Pro Asp Ser Val
 85 90 95
 Ala His Xaa Gly Trp Ser Phe Arg Xaa Lys Arg Asn Met Phe Ile Cys
 100 105 110
 Ile Val Leu Glu Phe Ser Glu Ser Cys Gln Ile Asn
 115 120

<210> 5479
 <211> 213
 <212> PRT
 <213> Homo sapiens

<400> 5479
 Met Ala Pro Arg Lys Gly Lys Glu Lys Lys Glu Glu Gln Val Ile Ser
 1 5 10 15
 Leu Gly Pro Gln Val Ala Glu Gly Glu Asn Val Phe Gly Val Cys His
 20 25 30
 Ile Phe Ala Ser Phe Asn Asp Thr Leu Ser Xaa Ser Leu Ile Phe Xaa
 35 40 45
 Ala Ser Glu Tyr Leu Gly Gly Glu Ala Ser Ser Trp Gln Lys Ala Glu
 50 55 60
 Glu Gly Asn Gly Trp Asp Gly
 65 70

<210> 5480
 <211> 564
 <212> PRT
 <213> Homo sapiens

<400> 5480
 Met Leu Pro Ala Val Gly Ser Xaa Asp Glu Glu Glu Asp Pro Ala Glu
 1 5 10 15
 Glu Asp Cys Pro Glu Leu Val Pro Ile Glu Thr Thr Gln Ser Glu Glu
 20 25 30
 Glu Glu Lys Ser Gly Leu Gly Ala Lys Ile Pro Val Thr Ile Ile Thr
 35 40 45
 Gly Tyr Leu Gly Ala Gly Lys Thr Thr Leu Leu Asn Tyr Ile Leu Thr
 50 55 60

Glu Gln His Ser Lys Arg Val Ala Val Ile Leu Asn Glu Xaa Gly Glu
 65 70 75 80
 Gly Ser Ala Leu Glu Lys Ser Leu Ala Val Ser Gln Gly Gly Glu Leu
 85 90 95
 Tyr Glu Glu Trp Leu Glu Leu Arg Asn Gly Cys Leu Cys Cys Ser Val
 100 105 110
 Lys Asp Asn Gly Leu Arg Ala Ile Glu Asn Leu Met Gln Lys Lys Gly
 115 120 125
 Lys Phe Asp Tyr Ile Leu Leu Glu Thr Thr Gly Leu Ala Asp Pro Gly
 130 135 140
 Ala Val Ala Ser Met Phe Trp Val Asp Ala Glu Leu Gly Ser Asp Ile
 145 150 155 160
 Tyr Leu Asp Gly Ile Ile Thr Ile Val Asp Ser Lys Tyr Gly Leu Lys
 165 170 175
 His Leu Ala Glu Glu Lys Pro Asp Gly Leu Ile Asn
 180 185

<210> 5481
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 5481
 Met Gln Lys Lys Gly Lys Phe Asp Tyr Ile Leu Leu Glu Thr Thr Gly
 1 5 10 15
 Leu Ala Asp Pro Gly Ala Val Ala Ser Met Phe Trp Val Asp Ala Glu
 20 25 30
 Leu Gly Ser Asp Ile Tyr Leu Asp Gly Ile Ile Thr Ile Val Asp Ser
 35 40 45
 Lys Tyr Gly Leu Lys His Leu Ala Glu Glu Lys Pro Asp Gly Leu Ile
 50 55 60
 Asn
 65

<210> 5482
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 5482
 Met Leu Pro Ala Val Gly Ser Ala Asp Glu Glu Glu Asp Pro Ala Glu
 1 5 10 15
 Glu Asp Cys Pro Glu Leu Val Pro Met Glu Thr Thr Gln Ser Glu Glu
 20 25 30
 Glu Glu Lys Ser Gly Leu Gly Ala Lys Ile Pro Val Thr Ile Ile Thr
 35 40 45
 Gly Tyr Leu Gly Ala Gly Ile Leu Ala Pro Arg Pro Xaa Phe Ser Ser
 50 55 60
 Ser His Phe Arg Arg
 65

<210> 5483
 <211> 378
 <212> PRT

<213> Homo sapiens

<400> 5483

Met Ala Ser Leu Leu Gln Ser Asp Arg Val Leu Tyr Leu Val Gln Gly
1 5 10 15
Glu Lys Lys Val Arg Ala Pro Leu Ser Gln Leu Tyr Phe Cys Arg Tyr
20 25 30
Cys Ser Glu Leu Arg Ser Leu Glu Cys Val Ser His Glu Val Asp Ser
35 40 45
His Tyr Cys Pro Ser Cys Leu Glu Asn Met Pro Ser Ala Glu Ala Lys
50 55 60
Leu Lys Lys Asn Arg Cys Ala Asn Cys Phe Asp Cys Pro Gly Cys Met
65 70 75 80
His Xaa Leu Ser Thr Arg Ala Thr Ser Ile Ser Thr Gln Leu Pro Asp
85 90 95
Asp Pro Ala Lys Thr Thr Met Lys Xaa Ala Tyr Tyr Leu Ala Cys Gly
100 105 110
Xaa Xaa Arg Trp Thr Ser Arg Asp Val Gly Met Ala Asp Lys
115 120 125

<210> 5484

<211> 294

<212> PRT

<213> Homo sapiens

<400> 5484

Met Pro Ser Pro Arg Leu Gln His Ser Lys Pro Pro Arg Arg Leu Ser
1 5 10 15
Arg Ala Gln Lys His Ser Ser Gly Ser Ser Asn Thr Ser Thr Ala Asn
20 25 30
Arg Ser Thr His Asn Glu Leu Glu Lys Asn Arg Arg Ala His Leu Arg
35 40 45
Leu Cys Leu Glu Arg Leu Lys Val Leu Ile Pro Leu Gly Pro Asp Cys
50 55 60
Thr Arg His Thr Thr Leu Gly Leu Leu Asn Lys Ala Lys Ala His Ile
65 70 75 80
Lys Lys Leu Glu Glu Ala Glu Arg Lys Ser Gln His Gln Leu Glu Asn
85 90 95
Leu Glu

<210> 5485

<211> 222

<212> PRT

<213> Homo sapiens

<400> 5485

Met Thr Asp Ser Lys Tyr Phe Thr Thr Asn Lys Lys Gly Glu Ile Phe
1 5 10 15
Xaa Leu Lys Ala Glu Leu Asn Asn Glu Lys Lys Glu Lys Arg Lys Glu
20 25 30
Ala Val Lys Lys Val Ile Ala Ala Met Thr Val Gly Lys Asp Val Ser
35 40 45
Ser Leu Phe Pro Asp Val Val Asn Cys Met Gln Thr Asp Asn Leu Glu
50 55 60

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<400> 5486
Met Val Asp Ala Phe Leu Gly Thr Trp Lys Leu Val Asp Ser Lys Asn
1          5          10          15
Phe Asp Asp Tyr Met Lys Ser Leu Gly Val Gly Phe Ala Thr Arg Gln
          20          25          30
Val Ala Ser Met Thr Lys Pro Thr Thr Ile Ile Glu Lys Asn Gly Asp
          35          40          45
Ile Leu Thr Leu Lys Thr His Ser
          50          55

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<400> 5487																
Met	Gly	Trp	Ser	Gln	Asp	Leu	Phe	Arg	Ala	Leu	Trp	Arg	Ser	Leu	Ser	
1				5					10					15		
Arg	Glu	Val	Lys	Glu	His	Val	Gly	Thr	Asp	Gln	Phe	Gly	Asn	Lys	Tyr	
			20					25					30			
Tyr	Tyr	Ile	Pro	Gln	Tyr	Lys	Asn	Trp	Arg	Gly	Gln	Thr	Ile	Arg	Glu	
		35					40					45				
Lys	Arg	Ile	Val	Glu	Ala	Ala	Asn	Lys	Lys	Glu	Val	Asp	Tyr	Glu	Ala	
	50					55					60					
Gly	Asp	Ile	Pro	Thr	Glu	Trp	Glu	Ala	Trp	Ile	Arg					
65					70					75						

[illegible]

3167

<212> PRT
<213> Homo sapiens

<400> 5489

Met	Ala	Ser	Gly	Val	Thr	Val	Asn	Asp	Glu	Val	Ile	Lys	Val	Phe	Asn
1				5					10					15	
Asp	Met	Lys	Val	Arg	Lys	Ser	Ser	Thr	Gln	Glu	Glu	Ile	Lys	Lys	Arg
			20					25					30		
Lys	Lys	Ala	Val	Leu	Phe	Cys	Leu	Ser	Asp	Asp	Lys	Arg	Gln	Ile	Ile
		35					40					45			
Val	Glu	Glu	Ala	Lys	Gln	Ile	Leu	Val	Gly	Asp	Ile	Gly	Asp	Thr	Val
	50					55					60				
Glu	Asp	Pro	Tyr	Thr	Ser	Phe	Val	Lys	Leu	Leu	Pro	Leu	Asn	Asp	Cys
65					70				75						80
Arg	Tyr	Ala	Leu	Tyr	Asp										
					85										

<210> 5490
<211> 222
<212> PRT
<213> Homo sapiens

<400> 5490

Met	Thr	Glu	Leu	Glu	Thr	Ala	Met	Gly	Met	Ile	Ile	Asp	Val	Phe	Ser
1				5					10					15	
Arg	Tyr	Ser	Gly	Ser	Glu	Gly	Ser	Thr	Gln	Thr	Leu	Thr	Lys	Gly	Glu
			20					25					30		
Leu	Lys	Val	Leu	Met	Glu	Lys	Glu	Leu	Pro	Gly	Phe	Leu	Gln	Ser	Gly
		35					40					45			
Lys	Asp	Lys	Asp	Ala	Val	Asp	Xaa	Leu	Leu	Lys	Asp	Leu	Asp	Ala	Asn
	50					55					60				
Gly	Asp	Ala	Gln	Val	Asp	Phe	Ser	Glu	Phe						
65					70										

<210> 5491
<211> 321
<212> PRT
<213> Homo sapiens

<400> 5491

Met	Thr	Glu	Leu	Glu	Thr	Ala	Met	Gly	Met	Ile	Ile	Asp	Val	Phe	Ser
1				5					10					15	
Arg	Tyr	Ser	Gly	Ser	Glu	Gly	Ser	Thr	Gln	Thr	Leu	Thr	Lys	Gly	Glu
			20					25					30		
Leu	Lys	Val	Leu	Met	Glu	Lys	Glu	Leu	Pro	Gly	Phe	Leu	Gln	Val	Ser
		35					40					45			
Gln	Ala	Gly	Ser	Ala	Gly	Leu	Ser	Gly	Gly	Trp	Gly	Arg	Arg	Gly	Arg
	50					55					60				
Arg	Gly	Arg	Gln	Arg	Ala	Glu	Ser	Cys	Gly	Gly	Val	Gly	Gly	Gln	Gly
65					70				75						80
Ala	Gln	Arg	Gln	Glu	Gly	Gln	Ile	Leu	Lys	Cys	Pro	Gly	Ser	Pro	Ala
			85						90					95	
Lys	Glu	Arg	Thr	His	Pro	Gly	Ile	Lys	Ala	Gly					
			100					105							

<210> 5492
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 5492
 Met Gly Arg Gly Pro Thr Gln Ser Pro Pro Ser Ala Val Thr Val Gln
 1 5 10 15
 Pro Leu Thr Ala Ala Ala Pro Leu Arg Xaa Ala Ala Cys Ser Glu Asn
 20 25 30
 Thr Glu Leu Pro Thr Ser Arg Arg Val Ser Arg Arg Lys Xaa Arg Pro
 35 40 45
 Gly Leu Asp Pro Gln Ser
 50

<210> 5493
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 5493
 Met Trp Thr Val Gln Asn Arg Glu Ser Leu Gly Leu Leu Ser Phe Pro
 1 5 10 15
 Val Met Ile Thr Met Val Cys Cys Ala His Ser Thr Asn Glu Pro Ser
 20 25 30
 Asn Met Ser Tyr Val Lys Glu Thr Val Asp Arg Leu Leu Lys Gly Tyr
 35 40 45
 Asp Ile Arg Leu Arg Pro Asp Phe Gly Gly Pro Pro Val Asp Val Gly
 50 55 60
 Met Arg Ile Asp Val Ala Ser Ile Asp Met Val Ser Glu Val Asn Met
 65 70 75 80
 Val Ser Gly Leu Pro Arg Gly Pro Ala Val Arg Leu Thr Gln Met Gly
 85 90 95
 Asn Gly Gln Val Pro Leu Pro Ser Ala Phe His Trp Arg Ser Xaa Arg
 100 105 110
 Pro

<210> 5494
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 5494
 Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe
 1 5 10 15
 Glu Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile
 20 25 30
 Ala Val Ala Ala Ala Ser Lys Pro Ala Val Glu Ile Lys Gln Glu Gly
 35 40 45
 Xaa Thr Phe Tyr Ile Lys Thr Ser Thr Thr Val
 50 55

<210> 5495

<211> 399
 <212> PRT
 <213> Homo sapiens

<400> 5495

Met	Thr	Glu	Pro	Gly	Ala	Ser	Pro	Glu	Asp	Pro	Trp	Val	Lys	Val	Glu
1				5					10					15	
Tyr	Ala	Tyr	Ser	Asp	Asn	Ser	Leu	Asp	Pro	Gly	Leu	Phe	Val	Glu	Ser
			20					25					30		
Thr	Arg	Lys	Gly	Ser	Val	Val	Ser	Arg	Ala	Asn	Ser	Ile	Gly	Ser	Thr
		35					40					45			
Ser	Ala	Ser	Ser	Val	Pro	Asn	Thr	Asp	Asp	Glu	Asp	Ser	Asp	Tyr	His
	50					55				60					
Gln	Glu	Ala	Tyr	Lys	Glu	Ser	Tyr	Lys	Asp	Arg	Arg	Arg	Arg	Ala	His
65					70				75					80	
Thr	Gln	Ala	Glu	Gln	Lys	Arg	Arg	Asp	Ala	Ile	Lys	Arg	Gly	Tyr	Asp
				85				90					95		
Asp	Leu	Gln	Thr	Ile	Val	Pro	Thr	Cys	Gln	Gln	Gln	Asp	Phe	Ser	Ile
			100				105					110			
Gly	Ser	Gln	Lys	Leu	Ser	Lys	Ala	Ile	Val	Leu	Gln	Lys	Thr	Ile	Asp
		115					120					125			
Tyr	Ile	Gln	Phe	Leu											
															130

<210> 5496
 <211> 390
 <212> PRT
 <213> Homo sapiens

<400> 5496

Met	Ala	Gly	Trp	Gln	Ser	Tyr	Val	Asp	Asn	Leu	Met	Cys	Asp	Gly	Cys
1				5					10					15	
Cys	Gln	Glu	Ala	Ala	Ile	Val	Gly	Tyr	Cys	Asp	Ala	Lys	Tyr	Val	Trp
			20				25					30			
Ala	Ala	Thr	Ala	Gly	Gly	Val	Phe	Gln	Ser	Ile	Thr	Pro	Ile	Glu	Ile
		35				40						45			
Asp	Met	Ile	Val	Gly	Lys	Asp	Arg	Glu	Gly	Phe	Phe	Thr	Asn	Gly	Leu
	50				55					60					
Thr	Leu	Gly	Ala	Lys	Lys	Cys	Ser	Val	Ile	Arg	Asp	Ser	Leu	Tyr	Val
65					70				75					80	
Asp	Gly	Asp	Cys	Thr	Met	Asp	Ile	Arg	Thr	Lys	Ser	Gln	Gly	Gly	Glu
			85				90					95			
Pro	Thr	Tyr	Asn	Val	Ala	Val	Gly	Arg	Ala	Gly	Arg	Val	Leu	Val	Phe
			100				105					110			
Val	Met	Gly	Lys	Glu	Gly	Val	His	Gly	Gly	Gly	Leu	Asn	Lys	Lys	Ala
		115					120					125			
Tyr	Ser														
															130

<210> 5497
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 5497

Met Val Gly Arg Asn Ser Ala Ile Ala Ala Gly Val Cys Gly Ala Leu
 1 5 10 15
 Phe Ile Gly Tyr Cys Ile Tyr Phe Asp Arg Lys Arg Arg Ser Asp Pro
 20 25 30
 Asn Phe Lys Asn Arg Leu Arg Glu Arg Arg Lys Lys Gln Lys Leu Ala
 35 40 45
 Lys Glu Arg Ala Gly Leu Ser Lys Leu
 50 55

<210> 5498

<211> 378

<212> PRT

<213> Homo sapiens

<400> 5498

Met Ala Phe Val Lys Ser Gly Trp Leu Leu Arg Gln Ser Thr Ile Leu
 1 5 10 15
 Lys Arg Trp Lys Lys Asn Trp Phe Asp Leu Trp Ser Asp Gly His Leu
 20 25 30
 Ile Tyr Tyr Asp Asp Gln Thr Arg Gln Asn Ile Glu Asp Lys Val His
 35 40 45
 Met Pro Met Asp Cys Ile Asn Ile Arg Thr Gly Gln Glu Cys Arg Asp
 50 55 60
 Thr Gln Pro Pro Asp Gly Lys Ser Lys Asp Cys Met Leu Gln Ile Val
 65 70 75 80
 Cys Arg Asp Gly Lys Thr Ile Ser Leu Cys Ala Glu Ser Thr Asp Asp
 85 90 95
 Cys Leu Ala Trp Lys Phe Thr Leu Gln Asp Ser Arg Thr Asn Thr Ala
 100 105 110
 Tyr Val Gly Ser Ala Val Met Thr Asp Glu Thr Ser Val Val
 115 120 125

<210> 5499

<211> 477

<212> PRT

<213> Homo sapiens

<400> 5499

Met Ala Arg Gly Pro Lys Lys His Leu Lys Arg Val Ala Ala Pro Lys
 1 5 10 15
 His Trp Met Leu Asp Lys Leu Thr Gly Val Phe Ala Pro Arg Pro Ser
 20 25 30
 Thr Gly Pro His Lys Leu Arg Glu Cys Leu Pro Leu Ile Val Phe Leu
 35 40 45
 Arg Asn Arg Leu Lys Tyr Ala Leu Thr Gly Asp Glu Val Lys Lys Ile
 50 55 60
 Cys Met Gln Arg Phe Ile Lys Ile Asp Gly Lys Val Arg Val Asp Val
 65 70 75 80
 Thr Tyr Pro Ala Gly Phe Met Asp Val Ile Ser Ile Glu Lys Thr Gly
 85 90 95
 Glu His Phe Arg Leu Val Tyr Asp Thr Lys Gly Arg Phe Ala Val His
 100 105 110
 Arg Ile Thr Val Glu Glu Ala Lys Tyr Lys Leu Cys Lys Val Arg Lys

1 5 10 15
 Val Leu Lys Met Ser Thr Glu Glu Ile Ile Gln Arg Thr Arg Leu Leu
 20 25 30
 Asp Ser Glu Ile Lys Ile Met Lys Ser Glu Val Leu Arg Val Thr His
 35 40 45
 Glu Leu Gln Ala Met Lys Asp Lys Ile Lys Glu Asn Ser Glu Lys Ile
 50 55 60
 Lys Val Asn Lys Thr Leu Pro Tyr Leu Val Ser Asn Val Ile Glu Leu
 65 70 75 80
 Leu Asp Val Asp Pro Asn Asp Gln Glu Glu Asp Gly Ala Asn Ile Asp
 85 90 95
 Leu Asp Ser Gln Arg Lys Gly Lys Cys Ala Val Ile Lys Thr Ser Thr
 100 105 110
 Arg Gln Thr Tyr Phe Leu Pro Val Ile Gly Leu Val Asp Ala Glu Lys
 115 120 125
 Pro Lys Pro Gly Asp Leu Val Gly Val Asn Lys Asp Ser Tyr Leu Ile
 130 135 140
 Leu Glu Thr Leu Pro Thr Glu Tyr
 145 150

<210> 5503
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5503
 Met Cys Pro Lys Gly Tyr Glu Asp Ser Met Glu Phe Pro Asp His Ser
 1 5 10 15
 Arg His Leu Leu Gln Cys Leu Ser Glu Gln Arg His Gln Gly Phe Leu
 20 25 30
 Cys Asp Cys Thr Val Leu Val Gly Asp Ala Gln Phe Arg Ala His Arg
 35 40 45
 Ala Val Leu Ala Ser Cys Ser Met Tyr Phe His Leu Phe Tyr Lys Asp
 50 55 60
 Gln Leu Asp Lys Arg Asp Ile Val His Leu Asn Ser Asp Ile Val Thr
 65 70 75 80
 Ala

<210> 5504
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 5504
 Met Glu Phe Pro Asp His Ser Arg His Leu Leu Gln Cys Leu Ser Glu
 1 5 10 15
 Gln Arg His Gln Gly Phe Leu Cys Asp Cys Thr Val Leu Val Gly Asp
 20 25 30
 Ala Gln Phe Arg Ala His Arg Ala Val Leu Ala Ser Cys Ser Met Tyr
 35 40 45
 Phe His Leu Phe Tyr Lys Asp Gln Leu Asp Lys Arg Asp Ile Val His
 50 55 60
 Leu Asn Ser Asp Ile Val Thr Ala
 65 70

<210> 5505
 <211> 663
 <212> PRT
 <213> Homo sapiens

<400> 5505
 Met Pro Lys Gly Lys Lys Ala Lys Gly Lys Lys Val Ala Pro Ala Pro
 1 5 10 15
 Ala Val Val Lys Lys Gln Glu Ala Lys Lys Val Val Asn Pro Leu Phe
 20 25 30
 Glu Lys Arg Pro Lys Asn Phe Gly Ile Gly Gln Asp Ile Gln Pro Lys
 35 40 45
 Arg Asp Leu Thr Arg Phe Val Lys Trp Pro Arg Tyr Ile Arg Leu Gln
 50 55 60
 Arg Gln Arg Ala Ile Leu Tyr Lys Arg Leu Lys Val Pro Pro Ala Ile
 65 70 75 80
 Asn Gln Phe Thr Gln Ala Leu Asp Arg Gln Thr Ala Thr Gln Leu Leu
 85 90 95
 Lys Leu Ala His Lys Tyr Arg Pro Glu Thr Lys Gln Glu Lys Lys Gln
 100 105 110
 Arg Leu Leu Ala Arg Ala Glu Lys Lys Ala Ala Gly Lys Gly Asp Val
 115 120 125
 Pro Thr Lys Arg Pro Pro Val Leu Arg Ala Gly Val Asn Thr Val Thr
 130 135 140
 Thr Leu Val Glu Asn Lys Lys Ala Gln Leu Val Val Ile Ala His Asp
 145 150 155 160
 Val Asp Pro Ile Glu Leu Val Val Phe Leu Pro Ala Leu Cys Arg Lys
 165 170 175
 Met Gly Val Xaa Tyr Cys Ile Ile Lys Gly Lys Ala Arg Leu Gly Arg
 180 185 190
 Leu Val His Arg Lys Thr Cys Thr Thr Val Ala Phe Thr Gln Val Asn
 195 200 205
 Ser Glu Asp Lys Gly Ala Leu Ala Lys Leu Val Glu Ala
 210 215 220

<210> 5506
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 5506
 Met Pro Xaa Phe His Thr Arg Thr Ile Glu Ser Ile Leu Glu Pro Val
 1 5 10 15
 Ala Gln Gln Ile Ser His Leu Val Ile Met His Glu Glu Gly Glu Val
 20 25 30
 Asp Gly Lys Ala Ile Pro Asp Leu Thr Ala Pro Val Ala Ala Val Gln
 35 40 45
 Ala Ala Val Ser Asn Leu Val Arg Val Gly Lys Glu Thr Val Gln Thr
 50 55 60
 Thr Glu Asp Gln Ile Leu Lys Arg Asp Met Pro Pro Ala Phe Ile Lys
 65 70 75 80
 Val Glu Asn Ala Cys Thr Lys Leu Val Gln Ala Ala Gln Met Leu Gln
 85 90 95

Ser Asp Pro Xaa Ser Val Pro Ala Arg Asp Tyr Leu Ile Asp
 100 105 110

<210> 5507
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 5507
 Met Leu Ser Arg Asn Asp Val Lys Arg Leu Glu Arg Ser Trp Ala Gln
 1 5 10 15
 Gly Ser Ser Glu Gln Xaa Leu His Tyr Ala Ser Leu Gln Arg Leu Pro
 20 25 30
 Val Pro Ser Ser Glu Gly Pro Asp Leu Arg Gly Arg Asp Lys Arg Gly
 35 40 45
 Thr Lys Glu Asp Pro Arg Ala Asp Tyr Ala Cys Ile Ala Glu Asn Lys
 50 55 60
 Pro
 65

<210> 5508
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 5508
 Met Arg Gly Xaa Glu Glu Arg Met Leu Pro Ala Leu Leu Ala Asn Ser
 1 5 10 15
 Thr Leu Arg Gly Xaa Ile Cys Arg Ser Ser Ser Xaa Xaa Lys Thr Gln
 20 25 30
 Arg Arg Ser Arg Arg Arg Leu Xaa Xaa Val Arg Lys Val Ala Arg Xaa
 35 40 45
 Leu Phe Leu Arg Ser Met
 50

<210> 5509
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 5509
 Met Gly Lys Lys Gln Lys Asn Lys Ser Glu Asp Ser Thr Lys Asp Asp
 1 5 10 15
 Ile Asp Leu Asp Ala Leu Ala Ala Glu Ile Glu Gly Ala Gly Ala Ala
 20 25 30
 Lys Glu Gln Glu Pro Gln Lys Ser Lys Gly Xaa Xaa Xaa Xaa Glu Xaa
 35 40 45
 Lys Xaa Xaa Asp Phe Asp Glu Asp Asp
 50 55

<210> 5510
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 5510

Met Asp Ser Leu Leu Pro Pro Ser Arg Phe Ser Tyr Phe Lys Lys Tyr
1 5 10 15
Pro Leu His Ala Ile Arg Arg Tyr Leu Ser Thr Leu Arg Asn Gln Arg
20 25 30
Ala Glu Glu Gln Val Ala Arg Phe Gln Lys Ile Pro Asn Gly Glu Asn
35 40 45
Glu Thr Met Ile Pro Val Leu Thr Ser Lys Lys Ala Ser Glu Leu Pro
50 55 60
Val Ser Glu Val Ala Ser Ile Leu Gln Ala Asp Leu Gln Asn Gly Leu
65 70 75 80
Asn Lys Cys Glu Val Ser His Arg Arg Ala Phe His Gly Trp Asn Glu
85 90 95
Phe Asp Ile Ser Glu
100

<210> 5511

<211> 408

<212> PRT

<213> Homo sapiens

<400> 5511

Met Asn Arg Leu Phe Gly Lys Ala Lys Pro Lys Ala Pro Pro Pro Ser
1 5 10 15
Leu Thr Asp Cys Ile Gly Thr Val Asp Ser Arg Ala Glu Ser Ile Asp
20 25 30
Lys Lys Ile Ser Arg Leu Asp Ala Glu Leu Val Lys Tyr Lys Asp Gln
35 40 45
Ile Lys Lys Met Arg Glu Gly Pro Ala Lys Asn Met Val Lys Gln Lys
50 55 60
Ala Leu Arg Val Leu Lys Gln Lys Arg Met Tyr Glu Gln Gln Arg Asp
65 70 75 80
Asn Leu Ala Gln Gln Ser Phe Asn Met Glu Gln Ala Asn Tyr Thr Ile
85 90 95
Gln Ser Leu Lys Asp Thr Lys Thr Thr Val Asp Ala Met Lys Leu Gly
100 105 110
Val Lys Glu Met Lys Lys Ala Tyr Lys Gln Val Lys Ile Xaa Gln Ile
115 120 125
Glu Asp Leu Gln Asp Gln Leu Glu
130 135

<210> 5512

<211> 162

<212> PRT

<213> Homo sapiens

<400> 5512

Met Glu Asp Tyr Gln Ala Ala Glu Glu Thr Ala Phe Val Val Asp Glu
1 5 10 15
Val Ser Asn Ile Val Lys Glu Ala Ile Glu Ser Ala Ile Gly Gly Asn
20 25 30
Ala Tyr Gln His Ser Lys Val Asn Gln Trp Thr Thr Asn Val Val Glu
35 40 45

Gln Thr Leu Ser Gln Leu
50

<210> 5513
<211> 186
<212> PRT
<213> Homo sapiens

<400> 5513
Met Tyr Ser His Phe Ala Gln Asp Leu Trp Ser Glu Gln Ser Ile Lys
1 5 10 15
Asp Ser Phe Gln Lys Val Ile Leu Arg Arg Tyr Glu Lys Cys Arg His
20 25 30
Asp Asn Leu Gln Leu Lys Lys Gly Cys Glu Ser Val Asp Glu Cys Pro
35 40 45
Val His Lys Arg Gly Tyr Asn Gly Leu Lys Gln Cys Leu Ala
50 55 60

<210> 5514
<211> 162
<212> PRT
<213> Homo sapiens

<400> 5514
Met Leu Gln Pro Phe Asp Tyr Asp Pro Asn Glu Lys Ser Lys His Lys
1 5 10 15
Phe Met Val Gln Thr Ile Phe Ala Pro Pro Asn Thr Ser Asp Met Glu
20 25 30
Ala Val Trp Lys Glu Ala Lys Pro Asp Xaa Leu Met Asp Ser Lys Leu
35 40 45
Arg Cys Val Phe Glu Met
50

<210> 5515
<211> 195
<212> PRT
<213> Homo sapiens

<400> 5515
Met Gln Arg Tyr Ser Lys Arg Val Tyr Ile Ala Tyr Ser Thr Phe Tyr
1 5 10 15
Ile Val Gly Leu Ile Leu Ser Met Gln Ile Pro Phe Val Gly Phe Gln
20 25 30
Pro Ile Arg Thr Ser Glu His Met Ala Ala Ala Gly Val Phe Ala Leu
35 40 45
Leu Gln Ala Tyr Ala Phe Leu Gln Tyr Leu Arg Asp Arg Leu Thr Lys
50 55 60
Gln
65

<210> 5516
<211> 192
<212> PRT
<213> Homo sapiens

004220 666450

<400> 5516

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Met Ala Ala Thr Glu Pro Ile Leu Ala Ala Thr Gly Ser Pro Ala Ala
1           5           10           15
Val Pro Pro Glu Lys Leu Glu Gly Ala Gly Ser Ser Ser Ala Pro Glu
           20           25           30
Arg Asn Cys Val Gly Ser Ser Leu Pro Glu Ala Ser Pro Pro Ala Pro
           35           40           45
Glu Pro Ser Ser Pro Asn Ala Ala Val Pro Glu Ala Ile Pro Thr Pro
           50           55           60

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<210> 5517

<211> 321

<212> PRT

<213> Homo sapiens

<400> 5517

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Met Val Phe Tyr Phe Thr Ser Ser Ser Val Asn Ser Ser Ala Tyr Thr
1           5           10           15
Ile Tyr Met Gly Lys Asp Lys Tyr Glu Asn Glu Asp Leu Ile Lys His
           20           25           30
Gly Xaa Pro Glu Asp Ile Trp Phe His Val Asp Lys Leu Ser Ser Ala
           35           40           45
His Val Tyr Leu Arg Leu His Lys Gly Glu Asn Ile Glu Asp Ile Pro
           50           55           60
Lys Glu Val Leu Met Asp Cys Xaa Asn Leu Val Lys Ala Asn Ser Ile
65           70           75           80
Gln Gly Cys Lys Met Asn Asn Val Asn Val Val Tyr Thr Pro Trp Ser
           85           90           95
Asn Leu Lys Lys Thr Ala Asp Met Asp Val Gly
           100           105

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<210> 5518

<211> 384

<212> PRT

<213> Homo sapiens

<400> 5518

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Met Gly Ala Ala Ala Glu Ala Asp Arg Thr Leu Phe Val Gly Asn
1           5           10           15
Leu Glu Thr Lys Val Thr Glu Glu Leu Leu Phe Glu Leu Phe His Gln
           20           25           30
Ala Gly Pro Val Ile Lys Val Lys Ile Pro Lys Asp Lys Asp Gly Lys
           35           40           45
Pro Lys Gln Phe Ala Phe Val Asn Phe Lys His Glu Val Ser Val Pro
           50           55           60
Tyr Ala Met Asn Leu Leu Asn Gly Ile Lys Leu Tyr Gly Arg Pro Ile
65           70           75           80
Lys Ile Gln Phe Arg Ser Gly Ser Ser His Ala Pro Gln Asp Val Ser
           85           90           95
Leu Ser Tyr Pro Gln His His Val Gly Asn Ser Ser Pro Thr Ser Thr
           100           105           110
Ser Pro Ser Arg Tyr Glu Arg Thr Met Asp Asn Met Thr Ser Ser Ala
           115           120           125

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<210> 5519
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 5519
 Met Pro Lys Tyr Tyr Glu Asp Lys Pro Gln Ala Arg Xaa Val Xaa Gly
 1 5 10 15
 Leu Lys Glu Asp Leu Gly Ala Cys Leu Leu Gln Ser Asp Cys Val Val
 20 25 30
 Gln Glu Gly Lys Ser Pro Arg Gln Cys Leu Lys Glu Gly Tyr Cys Asn
 35 40 45
 Ser Leu Lys Tyr Ala Phe Phe Glu Cys Lys Arg Ser Val Leu Asp Asn
 50 55 60
 Arg Ala Arg Phe Arg Gly
 65 70

<210> 5520
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 5520
 Met Ala Ser Thr Ser Arg Leu Asp Ala Leu Pro Arg Val Thr Cys Pro
 1 5 10 15
 Asn His Pro Asp Ala Ile Leu Val Glu Asp Tyr Arg Ala Gly Asp Met
 20 25 30
 Ile Cys Pro Glu Cys Gly Leu Val Val Gly Asp Arg Val Ile Asp Val
 35 40 45
 Gly Ser Glu Trp Arg Thr Phe Ser Asn Asp Lys Ala Thr Lys Asp Pro
 50 55 60
 Ser Arg Val Gly Asp Ser Gln Asn Pro Leu Leu Ser Asp Gly Asp Leu
 65 70 75 80
 Ser Thr Met Ile Gly Lys Gly Thr Gly Ala Ala Ser Phe Asp Glu Val
 85 90 95

<210> 5521
 <211> 285
 <212> PRT
 <213> Homo sapiens

<400> 5521
 Met Tyr Arg Asn Glu Phe Thr Ala Trp Tyr Arg Arg Met Ser Val Val
 1 5 10 15
 Tyr Gly Ile Gly Thr Trp Ser Val Leu Gly Ser Leu Leu Tyr Tyr Ser
 20 25 30
 Arg Thr Met Ala Lys Ser Ser Asp Gln Lys Asp Gly Ser Ala Ser Glu
 35 40 45
 Val Pro Ser Glu Leu Ser Glu Arg Pro Lys Gly Phe Tyr Val Glu Thr
 50 55 60
 Val Val Thr Tyr Lys Glu Asp Phe Val Pro Asn Thr Glu Lys Ile Leu
 65 70 75 80
 Asn Tyr Trp Lys Ser Trp Thr Gly Gly Leu Val Gln Asn His Asp

85

90

95

<210> 5522
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 5522
 Met Ala Glu Leu Asn Thr His Val Asn Val Lys Glu Lys Ile Tyr Ala
 1 5 10 15
 Val Arg Ser Val Val Pro Asn Lys Ser Asn Asn Glu Ile Val Leu Val
 20 25 30
 Leu Gln Gln Phe Asp Phe Asn Val Asp Lys Ala Val Gln Ala Phe Val
 35 40 45
 Asp Gly Ser Ala Ile Gln Val Leu Lys Glu Trp Asn Met Thr Gly Lys
 50 55 60
 Lys Lys Asn Asn Lys Arg Lys Arg Ser Lys Ser Lys Gln His Gln Gly
 65 70 75 80
 Asn Lys Asp Ala Lys Asp Lys
 85

<210> 5523
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 5523
 Met Ile Asn Met Gly Asp Ser His Val Asp Thr Ser Ser Thr Val Ser
 1 5 10 15
 Glu Ala Val Ala Glu Glu Val Ser Leu Phe Ser Met Thr Asp Met Ile
 20 25 30
 Leu Xaa Ser Leu Ile Val Gly Leu Leu Thr Tyr Trp Phe Leu Phe Arg
 35 40 45
 Lys Lys Lys Glu Glu Val Pro Glu Phe Thr Lys Ile Gln Thr Leu Thr
 50 55 60
 Ser Ser Val Arg Glu Ser Ser Phe Val Glu Lys Met Lys Lys Thr Gly
 65 70 75 80
 Arg Asn Ile Ile Val Phe Tyr Gly Ser Gln Thr Gly Thr Ala Glu Glu
 85 90 95
 Phe Ala Asn Arg Leu Ser Lys Asp Ala His Arg Tyr Gly Met Arg Gly
 100 105 110
 Met Ser Ala Asp Pro Glu Glu Tyr Asp Leu Ala Asp Leu Ser Ser Leu
 115 120 125
 Pro Glu Ile Asp Xaa Ala Leu Val Val Phe Cys Met Ala Thr Tyr Gly
 130 135 140
 Glu
 145

<210> 5524
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 5524

Met Asp Glu Gln Asp Leu Asn Glu Pro Leu Ala Lys Val Ser Leu Leu
 1 5 10 15
 Lys Asp Asp Leu Gln Gly Ala Gln Ser Glu Ile Glu Ala Lys Gln Xaa
 20 25 30
 Ile Gln His Leu Arg Lys Glu Leu Ile Glu Ala Gln Glu Leu Ala Arg
 35 40 45
 Thr Ser Lys Gln Lys Cys Phe Glu Leu Gln Ala Leu Leu Glu Glu Glu
 50 55 60
 Arg Xaa Ala Tyr Arg Xaa Gln Val Glu Xaa Ser Thr Lys Gln Ile Xaa
 65 70 75 80
 Val Leu Gln Ala Gln Leu Gln Arg Leu His Ile Asp Thr Glu Asn Leu
 85 90 95

<210> 5525
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 5525
 Met Ser Ser Gly Asn Ala Ser Tyr Arg Cys Ser Met Ser Ser Ser Ala
 1 5 10 15
 Asp Phe Ser Asp Glu Asp Asp Phe Ser Gln Lys Ser Gly Ser Ala Ser
 20 25 30
 Pro Ala Pro Gly Asp Thr Leu Pro Trp Asn Leu Pro Lys His Glu Arg
 35 40 45
 Ser Lys Arg Lys Ile Gln Gly Gly Ser Val Leu Asp Pro Ala Glu Arg
 50 55 60
 Ala Val Leu Arg Ile Ala Asp Glu Arg Thr Lys Phe Arg Xaa Asn Ile
 65 70 75 80
 Tyr Lys Met Asp Lys Ser Ala Ser
 85

<210> 5526
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 5526
 Met Cys Gln Leu Gln Lys Ile Ser Ile Ala Gln Glu Ser Val Gly Gln
 1 5 10 15
 Ala Glu Lys His Thr Glu His Phe Trp Thr Cys Glu Arg Ala Leu Asn
 20 25 30
 Met Asp Leu Ser Gly Ile Phe His Pro His Gln Cys Phe Thr Asn Ala
 35 40 45
 Arg Ala Gly Gln Ala Glu Thr Phe Asn Asp Asn
 50 55

<210> 5527
 <211> 429
 <212> PRT
 <213> Homo sapiens

<400> 5527
 Met Lys Asn Asn Gln Ile Thr Asn Asn Gln Arg Ile Lys Ala Ala Val

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1           5           10           15
Pro Ser Ile Lys Phe Cys Leu Asp Asn Gly Ala Lys Ser Val Val Leu
      20           25           30
Met Ser His Leu Gly Arg Pro Asp Gly Val Pro Met Pro Asp Lys Tyr
      35           40           45
Ser Leu Glu Pro Val Ala Val Glu Leu Lys Ser Leu Leu Gly Lys Asp
      50           55           60
Val Leu Phe Leu Lys Asp Cys Val Gly Pro Glu Val Glu Lys Ala Cys
      65           70           75           80
Ala Asn Pro Ala Ala Gly Ser Val Ile Leu Leu Glu Asn Leu Arg Phe
      85           90           95
His Val Glu Glu Glu Gly Lys Gly Lys Asp Ala Ser Gly Asn Lys Val
      100          105          110
Lys Ala Glu Pro Ala Lys Ile Glu Ala Phe Arg Ala Ser Leu Ser Lys
      115          120          125
Leu Gly Asp Val Tyr Val Asn Asp Ala Phe Gly Thr Ala His Arg
      130          135          140

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<210> 5528
 <211> 156
 <212> PRT
 <213> Homo sapiens

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<400> 5528
Met Ala Phe Phe Asn Leu Tyr Leu Leu Gly Tyr Gln Asn Ser Phe Gln
1           5           10           15
Asn Lys Lys Arg Asn Thr Thr Glu Glu Thr Asn Gln Lys Glu Pro Glu
      20           25           30
Pro Thr Arg Leu Pro Pro Ile Ile Ser Lys Asp Gly Asn Tyr Ser Val
      35           40           45
His Gln Asn Ser
      50

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<210> 5529
 <211> 213
 <212> PRT
 <213> Homo sapiens

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<400> 5529
Met Asp Lys Leu Asn Lys Ile Thr Val Pro Ala Ser Gln Lys Leu Arg
1           5           10           15
Gln Leu Gln Lys Met Val His Asp Ile Lys Asn Asn Glu Gly Gly Ile
      20           25           30
Met Asn Lys Ile Lys Lys Leu Lys Val Lys Ala Pro Pro Ser Val Pro
      35           40           45
Arg Arg Asp Tyr Ala Ser Glu Ser Pro Ala Asp Glu Glu Glu Gln Trp
      50           55           60
Ser Asp Asp Phe Asp Ser Asp
      65           70

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<210> 5530
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5530

Met	Trp	Ser	Gly	Leu	Leu	Pro	Pro	Gly	Leu	Asn	Glu	Ser	Asp	Ala	Glu
1				5					10					15	
Ser	Asn	Ser	Glu	Asp	Glu	Ala	Thr	Leu	Glu	Asn	Ser	Gly	Leu	Asn	Leu
			20					25					30		
Gln	Glu	Asp	Lys	Glu	Asp	Glu	Ser	Ile	Arg	Lys	Thr	Glu	Ile	Ile	Asp
		35					40					45			
Phe	Ser	Thr	Asp	Glu	Pro	Lys	Thr	Glu	Thr	Glu	Ser	Asn	Val	Asn	Ala
	50					55					60				
Tyr	Glu	Glu	Cys	Pro	Ser	Gly	Ile	Pro	Ile	Asp	Met	Trp	Asn	Lys	Phe
65					70					75					80
Gln	Glu	Leu	His	Lys	Lys	His	Ser	Glu	Gln	Lys	Ser	Thr	Thr	Ser	Arg
			85						90					95	
Phe	Arg	Gly	Lys	Arg	Arg	Lys	Arg	Ser	Arg	Lys	Asp	Xaa	Leu	Xaa	Asn
			100					105					110		
Glu	Lys	Glu	Leu	His	Ser	Xaa	Arg								
		115					120								

<210> 5531

<211> 231

<212> PRT

<213> Homo sapiens

<400> 5531

Met	Phe	Gly	Phe	His	Lys	Pro	Lys	Met	Tyr	Arg	Ser	Ile	Glu	Gly	Cys
1				5					10					15	
Cys	Ile	Cys	Arg	Ala	Lys	Ser	Ser	Ser	Ser	Arg	Phe	Thr	Asp	Ser	Lys
			20					25					30		
Arg	Tyr	Glu	Lys	Asp	Phe	Gln	Ser	Cys	Phe	Gly	Leu	His	Glu	Thr	Arg
		35					40					45			
Ser	Gly	Asp	Ile	Cys	Asn	Ala	Cys	Val	Leu	Leu	Val	Lys	Arg	Trp	Lys
	50					55					60				
Lys	Leu	Pro	Ala	Gly	Ser	Lys	Lys	Asn	Trp	Asn	His	Val			
65					70				75						

<210> 5532

<211> 231

<212> PRT

<213> Homo sapiens

<400> 5532

Met	Thr	Thr	Ser	Gln	Lys	His	Arg	Asp	Phe	Val	Ala	Glu	Pro	Met	Gly
1				5					10					15	
Glu	Lys	Pro	Val	Gly	Ser	Leu	Ala	Gly	Ile	Gly	Glu	Val	Leu	Gly	Lys
			20					25					30		
Lys	Leu	Glu	Glu	Arg	Gly	Phe	Asp	Xaa	Ala	Tyr	Val	Val	Leu	Gly	Gln
		35					40					45			
Phe	Leu	Val	Leu	Lys	Lys	Asp	Glu	Asp	Leu	Phe	Arg	Glu	Trp	Leu	Lys
	50					55				60					
Asp	Thr	Cys	Gly	Ala	Asn	Ala	Lys	Gln	Ser	Arg	Asp	Cys			
65					70				75						

<210> 5533

<211> 270
 <212> PRT
 <213> Homo sapiens

<400> 5533
 Met Ala Glu Arg Xaa Leu Xaa Xaa Pro Thr Pro Ser Ser Pro Gly Xaa
 1 5 10 15
 Ala Ser Asp Ala Phe Glu Ser Gly Ala Thr Pro Ser Cys Asp Ala Leu
 20 25 30
 Trp Glu Ala Leu Asn Pro Gln Pro Ser Ser Arg Val Cys Ser Arg Val
 35 40 45
 Gly Thr Pro Pro Leu Ser Ser Thr Lys Glu Lys Ile Ala Ile Val Val
 50 55 60
 Leu Thr Ser Asp Val Leu Arg Gly Leu Leu Gly Val Phe Ser Pro Asn
 65 70 75 80
 His Phe Asn Phe Phe Leu Asp Ser Arg Ser
 85 90

<210> 5534
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5534
 Met Thr Ser Phe Gln Glu Val Pro Leu Gln Thr Ser Asn Phe Ala His
 1 5 10 15
 Val Ile Phe Gln Asn Val Ala Lys Ser Tyr Leu Pro Asn Ala His Leu
 20 25 30
 Glu Cys His Tyr Thr Leu Thr Pro Tyr Ile His Pro His Pro Lys Asp
 35 40 45
 Trp Val Gly Ile Phe Lys Val Gly Trp Ser Thr Ala Arg Asp Tyr Tyr
 50 55 60
 Thr Phe Leu Trp Ser Pro Met Pro Glu His Tyr Val Glu Gly Ser Thr
 65 70 75 80
 Val Asn Cys Val Leu Ala Phe Gln Gly Tyr Tyr Leu Pro Asn Asp Asp
 85 90 95
 Gly Glu Phe Tyr Gln Phe Cys Tyr Val Thr
 100 105

<210> 5535
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 5535
 Met Thr Ser Phe Gln Glu Val Pro Leu Gln Thr Ser Asn Phe Ala His
 1 5 10 15
 Val Ile Phe Gln Asn Val Ala Lys Ser Tyr Leu Pro Asn Ala His Leu
 20 25 30
 Glu Cys His Tyr Thr Leu Thr Pro Ser Ala Ala Asp Ile Lys Ile Phe
 35 40 45
 Phe Cys Arg Asn Arg Val Ser Leu Cys Cys Pro Gly Trp Ser Ala Val
 50 55 60
 Leu Leu Ser Gln Phe Thr

004220"666E1560

65

70

<210> 5536
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 5536
 Met Ala Ala Ala Gly Val Val Ser Gly Lys Ile Ile Tyr Glu Gln Glu
 1 5 10 15
 Gly Val Tyr Ile His Ser Ser Cys Gly Lys Thr Asn Asp Gln Asp Gly
 20 25 30
 Leu Ile Ser Gly Ile Leu Arg Val Leu Glu Lys Asp Ala Glu Val Ile
 35 40 45
 Val Asp Trp Arg Pro Leu Asp Asp Ala Leu Asp Ser Ser Ser Ile Leu
 50 55 60
 Tyr Ala Arg Lys Asp Ser Ser Ser Val Val Glu Trp Thr Gln Ala Pro
 65 70 75 80
 Lys Glu Arg Gly His Arg Gly Ser Glu His Leu Asn Ser Tyr Glu Ala
 85 90 95
 Glu Trp Asp Met Val Asn Thr Val Ser Phe Lys Arg Lys Pro His Thr
 100 105 110
 Asn Gly Asp Ala Pro Ser His Arg Asn Gly Lys Ser Lys Trp Ser Phe
 115 120 125
 Leu Phe Ser Leu Thr Asp Leu Lys
 130 135

<210> 5537
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 5537
 Met Ser Asp Leu Glu Asp Asp Glu Thr Pro Gln Leu Ser Ala His Ala
 1 5 10 15
 Leu Ala Ala Leu Gln Glu Phe Tyr Ala Glu Gln Lys Gln Gln Ile Glu
 20 25 30
 Pro Gly Glu Asp Asp Lys Tyr Asn Ile Gly Ile Ile Glu Glu Asn Trp
 35 40 45
 Gln Leu Ser Gln Phe Trp Tyr Ser Gln Glu Thr Ala Leu Gln Leu Ala
 50 55 60
 Gln Glu Ala Ile Ala Ala Val Gly Glu Gly Arg Ile Ala Cys Val
 65 70 75 80
 Ser Ala Pro Ser Val Tyr Gln Lys Leu Arg Glu Leu Cys Arg Glu Asn
 85 90 95
 Phe Ser Ile Tyr Ile Phe Glu Tyr Asp Lys Arg Phe Ala Met Tyr Gly
 100 105 110
 Glu Glu Phe Ile Phe Tyr Asp Tyr Asn Asn Pro Leu
 115 120

<210> 5538
 <211> 339
 <212> PRT
 <213> Homo sapiens

0042221" 5536T550

00513999.022400

<400> 5538

Met Pro Asp Pro Asp His Gly Ala Glu Arg Thr Leu Gly Pro Asp Arg
1 5 10 15
Asp Arg Gln Arg Ala Glu Ser Ala Asn Asp Lys Pro His Leu Val Ser
20 25 30
Leu Gly Ser Gly Arg Leu Ser Thr Ala Ile Thr Leu Leu Pro Leu Glu
35 40 45
Glu Gly Arg Thr Val Ile Gly Ser Ala Ala Arg Asp Ile Ser Leu Gln
50 55 60
Gly Pro Gly Leu Ala Pro Glu His Cys Tyr Ile Glu Asn Leu Arg Gly
65 70 75 80
Thr Leu Thr Leu Tyr Pro Cys Gly Asn Ala Cys Thr Ile Asp Gly Leu
85 90 95
Leu Ser Gly Ser Leu Pro Gly Ser Leu Xaa Ala Ala Cys Cys Xaa Trp
100 105 110
Val

<210> 5539

<211> 333

<212> PRT

<213> Homo sapiens

<400> 5539

Met Pro Ser Lys Ser Leu Val Met Glu Tyr Leu Ala His Pro Ser Thr
1 5 10 15
Leu Gly Leu Ala Val Gly Val Ala Cys Gly Met Cys Leu Gly Trp Ser
20 25 30
Leu Arg Val Cys Phe Gly Met Leu Pro Lys Ser Lys Thr Ser Lys Thr
35 40 45
His Thr Asp Thr Glu Ser Glu Ala Ser Ile Leu Gly Asp Ser Gly Glu
50 55 60
Tyr Lys Met Ile Leu Val Val Arg Asn Asp Leu Lys Met Gly Lys Gly
65 70 75 80
Lys Val Ala Ala Gln Cys Ser His Ala Ala Val Ser Ala Tyr Lys Gln
85 90 95
Ile Gln Arg Arg Asn Pro Glu Met Leu Lys Gln Trp Glu Tyr Cys
100 105 110

<210> 5540

<211> 387

<212> PRT

<213> Homo sapiens

<400> 5540

Met Asn Asp Val Lys Leu Ala Val Leu Gly Gly Glu Gly Thr Gly Lys
1 5 10 15
Ser Ala Leu Thr Val Arg Phe Leu Thr Lys Arg Phe Ile Gly Glu Tyr
20 25 30
Ala Ser Asn Phe Glu Ser Ile Tyr Lys Lys His Leu Cys Leu Glu Arg
35 40 45
Lys Gln Leu Asn Leu Glu Ile Tyr Asp Pro Cys Ser Gln Thr Gln Lys
50 55 60
Ala Lys Phe Ser Leu Thr Ser Glu Leu His Trp Ala Asp Gly Phe Val

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3187

1 5 10 15
 Glu Lys Ala Gly Arg Lys Ile Asp Leu Thr Glu Ala Gln Glu Thr Val
 20 25 30
 Pro Ser Arg Cys Leu His Leu Asp Ala Glu Asn Glu Val Leu Gln Leu
 35 40 45
 Gln Gln Thr Leu Phe Ser Met Lys Ala Ile Gln Lys Gln Cys Glu Thr
 50 55 60
 Leu Gln Lys Asn Lys Lys Gln Leu Lys Gln Glu Val Val Asn Leu Lys
 65 70 75 80
 Ser Tyr Met Glu Arg Asn Met Leu Glu Arg Gly Lys Leu Asn Gly Ile
 85 90 95
 Asn

<210> 5544
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 5544
 Met Ala Ala Ala Ala Ala Ala Ala Glu Gln Ile Thr Leu Val Ile
 1 5 10 15
 Trp Ala Val Ile Arg Ile Gly Pro Asn Gly Cys Asp Ser Met Glu Phe
 20 25 30
 His Glu Ser Gly Leu Leu Arg Xaa Lys Gln Val Ser Asp Met Gly Val
 35 40 45
 Ile His Pro Leu Tyr Lys Ser Thr Val Gly Gly Arg Arg Asn Glu Asn
 50 55 60
 Leu Val Ile Thr Gly Asn Asn Gln Pro Ile Val Phe Gln Gln Gly Thr
 65 70 75 80
 Thr Lys Leu Ser Val Xaa Xaa Asn Lys Thr Ser Ile Thr Ser Asp Ile
 85 90 95
 Gly Met Gln Phe Phe Asp Pro Arg Xaa Gln Asn Ile Leu Phe Ser
 100 105 110

<210> 5545
 <211> 267
 <212> PRT
 <213> Homo sapiens

<400> 5545
 Met Ser Lys Arg Lys Ala Pro Gln Glu Thr Leu Asn Gly Gly Ile Thr
 1 5 10 15
 Asp Met Leu Thr Glu Leu Ala Asn Phe Glu Lys Asn Val Xaa Gln Ala
 20 25 30
 Ile His Lys Tyr Asn Ala Xaa Xaa Lys Ala Ala Ser Val Ile Ala Lys
 35 40 45
 Tyr Pro His Lys Ile Lys Ser Gly Ala Xaa Ala Lys Lys Leu Pro Gly
 50 55 60
 Val Gly Thr Lys Ile Ala Glu Lys Ile Asp Glu Phe Leu Ala Thr Gly
 65 70 75 80
 Lys Leu Arg Lys Leu Glu Lys Ile Arg
 85

<210> 5546

<211> 267
 <212> PRT
 <213> Homo sapiens

<400> 5546
 Met Asp Pro Leu Ser Glu Leu Gln Asp Asp Leu Thr Leu Asp Asp Thr
 1 5 10 15
 Ser Glu Ala Leu Asn Gln Leu Lys Leu Ala Ser Ile Asp Glu Lys Asn
 20 25 30
 Trp Pro Ser Asp Glu Met Pro Asp Phe Pro Lys Ser Asp Asp Ser Lys
 35 40 45
 Ser Ser Ser Pro Glu Leu Val Thr His Leu Lys Trp Asp Asp Pro Tyr
 50 55 60
 Tyr Asp Ile Ala Arg His Gln Ile Val Glu Val Ala Gly Asp Asp Lys
 65 70 75 80
 Tyr Gly Arg Lys Ile Ile Val Phe Ser
 85

<210> 5547
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 5547
 Met Asp Val Thr Asp Thr Leu Phe Ser Leu Ile Phe Xaa Lys Ala Gly
 1 5 10 15
 Lys Met Ser Ser Thr Pro His Asp Pro Phe Tyr Ser Ser Pro Phe Gly
 20 25 30
 Pro Phe Tyr Arg Arg His Thr Pro Tyr Met Val Gln Pro Glu Tyr Arg
 35 40 45
 Ile Tyr Glu Met Asn Lys Arg Leu Gln Ser Arg Thr Glu Asp Ser Asp
 50 55 60
 Asn Leu Trp Trp Asp Ala Phe Ala Thr Glu Phe Phe Glu Asp Asp Ala
 65 70 75 80
 Thr Leu Thr Leu Ser Phe Cys Leu Glu Asp Gly Pro Lys Arg Tyr Thr
 85 90 95
 Ile Gly Arg Thr Leu Ile Pro Arg Tyr Phe Ser Thr Val Phe Glu Gly
 100 105 110
 Gly Val Thr Asp Leu Tyr Tyr Ile Leu Lys His Ser Lys Glu Ser Tyr
 115 120 125
 His Asn Ser Ser Ile Thr
 130

<210> 5548
 <211> 708
 <212> PRT
 <213> Homo sapiens

<400> 5548
 Met Leu Gly Phe Val Gly Arg Val Ala Ala Ala Pro Ala Ser Gly Ala
 1 5 10 15
 Leu Arg Arg Leu Thr Pro Ser Ala Ser Leu Pro Pro Ala Gln Leu Leu
 20 25 30
 Leu Arg Ala Ala Pro Thr Ala Val His Pro Val Arg Asp Tyr Ala Ala

50
Asp Arg Leu
65

55

60

<210> 5551
<211> 411
<212> PRT
<213> Homo sapiens

<400> 5551
Met Glu Ala Leu Ile Leu Glu Pro Ser Leu Tyr Thr Val Lys Ala Ile
1 5 10 15
Leu Ile Leu Asp Asn Asp Gly Asp Arg Leu Phe Ala Lys Tyr Tyr Asp
20 25 30
Asp Thr Tyr Pro Ser Val Lys Glu Gln Lys Ala Phe Glu Lys Asn Ile
35 40 45
Phe Asn Lys Thr His Arg Thr Asp Ser Glu Ile Ala Leu Leu Glu Gly
50 55 60
Leu Thr Val Val Tyr Lys Ser Ser Ile Asp Leu Tyr Phe Tyr Val Ile
65 70 75 80
Gly Ser Ser Tyr Glu Asn Glu Leu Met Leu Met Ala Val Leu Asn Cys
85 90 95
Leu Phe Asp Ser Leu Ser Gln Met Leu Arg Lys Asn Val Glu Lys Arg
100 105 110
Ala Leu Leu Glu Asn Met Glu Gly Leu Phe Leu Ala Val Asp Glu Ile
115 120 125
Xaa Xaa Gly Gly Val Ile Leu Glu Ser
130 135

<210> 5552
<211> 288
<212> PRT
<213> Homo sapiens

<400> 5552
Met Ala Glu Xaa Arg Arg His Lys Lys Arg Ile Gln Glu Val Gly Glu
1 5 10 15
Pro Ser Lys Glu Glu Lys Ala Val Ala Lys Tyr Leu Arg Phe Asn Cys
20 25 30
Pro Thr Lys Ser Thr Asn Met Met Gly His Arg Val Asp Tyr Phe Ile
35 40 45
Ala Ser Lys Ala Val Asp Cys Leu Leu Asp Ser Lys Trp Ala Lys Ala
50 55 60
Lys Lys Gly Glu Glu Ala Leu Phe Thr Thr Arg Glu Ser Val Val Asp
65 70 75 80
Tyr Cys Asn Arg Leu Leu Lys Lys Gln Phe Phe His Arg Ala Leu Lys
85 90 95

<210> 5553
<211> 378
<212> PRT
<213> Homo sapiens

<400> 5553

Met Gly Ser Pro Leu Arg Phe Asp Gly Arg Val Val Leu Val Thr Gly
 1 5 10 15
 Ala Gly Ala Gly Leu Gly Arg Ala Tyr Ala Leu Ala Phe Ala Glu Arg
 20 25 30
 Gly Ala Leu Val Val Val Asn Asp Leu Gly Gly Asp Phe Lys Gly Val
 35 40 45
 Gly Lys Gly Ser Leu Ala Ala Asp Lys Val Val Glu Glu Ile Arg Arg
 50 55 60
 Arg Gly Gly Lys Ala Val Ala Asn Tyr Asp Ser Val Glu Glu Gly Glu
 65 70 75 80
 Lys Val Val Lys Thr Ala Leu Asp Ala Phe Gly Arg Ile Asp Val Val
 85 90 95
 Val Asn Asn Ala Gly Ile Leu Arg Asp Arg Ser Phe Ala Arg Ile Ser
 100 105 110
 Asp Glu Asp Trp Asp Ile Ile His Arg Val His Leu Arg Gly
 115 120 125

<210> 5554
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 5554
 Met Ala Val Ala Val Lys Trp Val Met Ser Lys Arg Thr Ile Leu
 1 5 10 15
 Lys His Leu Phe Pro Val Gln Asn Gly Ala Leu Tyr Cys Val Cys His
 20 25 30
 Lys Ser Thr Tyr Ser Pro Leu Pro Asp Asp Tyr Asn Cys Asn Val Glu
 35 40 45
 Xaa Ala Leu Thr Ser Asp Gly Arg Thr Ile Val Cys Tyr His Pro Ser
 50 55 60
 Val Xaa Ile
 65

<210> 5555
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 5555
 Met Val Glu Asp Glu Leu Ala Leu Phe Asp Lys Ser Ile Asn Glu Phe
 1 5 10 15
 Trp Asn Lys Phe Lys Ser Thr Asp Thr Ser Cys Gln Met Ala Gly Leu
 20 25 30
 Arg Asp Thr Tyr Lys Asp Ser Ile Lys Ala Phe Ala Glu Lys Leu Ser
 35 40 45
 Val Lys Leu Lys Glu Glu Glu Arg
 50 55

<210> 5556
 <211> 291
 <212> PRT
 <213> Homo sapiens

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<400> 5556

Met Arg Arg Ser Glu Val Leu Ala Glu Glu Ser Ile Val Cys Leu Gln
 1 5 10 15
 Lys Ala Leu Asn His Leu Arg Glu Ile Trp Glu Leu Ile Gly Ile Pro
 20 25 30
 Glu Asp Gln Arg Leu Gln Arg Thr Glu Val Val Lys Lys His Ile Lys
 35 40 45
 Glu Leu Leu Asp Met Met Ile Ala Glu Glu Glu Ser Leu Lys Glu Arg
 50 55 60
 Leu Ile Lys Ser Ile Ser Val Cys Gln Lys Glu Leu Asn Thr Leu Cys
 65 70 75 80
 Ser Glu Leu His Val Glu Pro Phe Gln Glu Glu Gly Glu Xaa Thr Ile
 85 90 95
 Leu

<210> 5557

<211> 369

<212> PRT

<213> Homo sapiens

<400> 5557

Met Ser Arg Phe Phe Thr Thr Gly Ser Asp Ser Glu Ser Glu Ser Ser
 1 5 10 15
 Leu Ser Gly Glu Glu Leu Val Thr Lys Pro Val Gly Gly Asn Tyr Gly
 20 25 30
 Lys Gln Pro Leu Leu Leu Ser Glu Asp Glu Glu Asp Thr Lys Arg Val
 35 40 45
 Val Arg Ser Ala Lys Asp Lys Arg Phe Glu Glu Leu Thr Asn Leu Ile
 50 55 60
 Arg Thr Ile Arg Asn Ala Met Lys Ile Arg Asp Val Thr Lys Cys Leu
 65 70 75 80
 Glu Glu Phe Glu Leu Gly Lys Ala Tyr Gly Lys Ala Lys Ser Ile
 85 90 95
 Val Asp Lys Glu Gly Val Pro Arg Phe Tyr Ile Arg Ile Leu Ala Asp
 100 105 110
 Leu Glu Asp Tyr Leu Asn Glu Leu Trp Glu Asp
 115 120

<210> 5558

<211> 153

<212> PRT

<213> Homo sapiens

<400> 5558

Met Leu Glu Pro Ser Arg Gln Ile Ser Ile Phe Gln Trp Glu Pro Phe
 1 5 10 15
 Gly Gln Glu Gln Val Asn Pro Pro Glu Glu Lys Asn Val Leu Leu Lys
 20 25 30
 Trp Arg Arg Val Phe Leu Pro Pro Arg Met Arg Arg Arg Ser Gln Phe
 35 40 45
 Gln Glu Arg
 50

<210> 5559

<211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5559
 Met Tyr Arg Thr Ser Gln Leu Arg Gly Pro Trp Arg Leu Arg Arg Glu
 1 5 10 15
 Asn Cys Leu Gly Pro Gly Gly Gly Gly Cys Ser Glu Pro Pro His Ser
 20 25 30
 Ser Leu Gly Asp Arg Val Arg Phe Arg Leu Arg Arg Asn Lys Lys Thr
 35 40 45
 Arg Trp Thr Asp Lys
 50

<210> 5560
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 5560
 Met Pro Lys Lys Ala Gly Ala Thr Thr Lys Gly Lys Ser Gln Ser Lys
 1 5 10 15
 Glu Pro Glu Arg Pro Leu Pro Pro Leu Gly Pro Val Ala Val Asp Pro
 20 25 30
 Lys Gly Cys Val Thr Ile Ala Ile His Ala Lys Pro Gly Ser Lys Gln
 35 40 45
 Asn Ala Val Thr Asp Leu Thr Ala Glu Ala Val Asn Val Ala Ile Ala
 50 55 60
 Ala Pro Pro Ser Glu Gly Glu Ala Asn Ala Glu Leu Cys Arg Tyr Leu
 65 70 75 80
 Ser Lys Val Leu Glu Leu Arg Lys Ser Asp Val Val Leu Asp Lys Gly
 85 90 95
 Gly Lys Ser Arg Glu Lys Val
 100

<210> 5561
 <211> 282
 <212> PRT
 <213> Homo sapiens

<400> 5561
 Met Ala Ala Ser Ser Ser Glu Ile Ser Glu Met Lys Gly Val Glu Glu
 1 5 10 15
 Ser Pro Lys Val Pro Gly Glu Gly Pro Gly His Ser Glu Ala Glu Thr
 20 25 30
 Gly Pro Pro Gln Val Leu Ala Gly Val Pro Asp Gln Pro Glu Ala Pro
 35 40 45
 Gln Pro Gly Pro Asn Thr Thr Ala Ala Pro Val Asp Ser Gly Pro Lys
 50 55 60
 Ala Gly Leu Ala Pro Glu Thr Thr Glu Thr Pro Ala Gly Ala Ser Glu
 65 70 75 80
 Thr Ala Gln Ala Thr Asp Leu Xaa Leu Ser Pro Gly Gly Glu
 85 90

<210> 5562
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 5562
 Met Arg Ala Gly Val Gly Lys Asp Cys His Leu Thr Pro Pro Ala Leu
 1 5 10 15
 Phe Gln Val Leu Lys Glu Leu Gln Ala Met Leu Arg Glu Glu Lys Pro
 20 25 30
 Ala Thr Glu Glu Lys Pro Ala Thr Glu Lys Lys Arg Ser Asp Leu Pro
 35 40 45
 Phe Ser Ser Pro
 50

<210> 5563
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 5563
 Met Phe Asn Phe Asp Thr Phe Trp Lys Asn Phe Lys Ser Lys Leu Gly
 1 5 10 15
 Phe Ile Asn Trp Asp Ala Ile Asn Lys Asn Gln Val Pro Pro Pro Ser
 20 25 30
 Thr Arg Ala Leu Leu Tyr Phe Ser Arg Leu Trp Glu Glu Xaa Lys Gln
 35 40 45
 Asn Thr Pro Phe Leu Asn Trp Lys Ala Ile Ile Glu Gly Ala Xaa Ala
 50 55 60
 Ser Ser Leu Gln Lys Arg Ala Gly
 65 70

<210> 5564
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 5564
 Met Phe Asn Phe Asp Thr Phe Trp Lys Asn Phe Lys Ser Lys Leu Gly
 1 5 10 15
 Phe Ile Asn Trp Asp Ala Ile Asn Lys Asn Gln Val Pro Pro Pro Ser
 20 25 30
 Thr Arg Ala Leu Leu Tyr Phe Ser Arg Leu Trp Glu Glu Xaa Lys Gln
 35 40 45
 Asn Thr Pro Phe Leu Asn Trp Lys Ala Ile Ile Glu Gly Ala Xaa Ala
 50 55 60
 Ser Ser Leu Gln Lys Arg Ala Gly
 65 70

<210> 5565
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 5565

Met Leu Arg Pro Lys Ala Leu Thr Gln Val Leu Ser Gln Ala Asn Thr
 1 5 10 15
 Gly Gly Val Gln Ser Thr Leu Leu Leu Asn Asn Glu Gly Ser Leu Leu
 20 25 30
 Ala Tyr Ser Gly Tyr Gly Asp Thr Asp Ala Arg Val Thr Ala Ala Ile
 35 40 45
 Ala Ser Asn Ile Trp Ala Ala Tyr Asp Arg Asn Gly Asn Gln Ala Phe
 50 55 60
 Asn
 65

<210> 5566

<211> 240

<212> PRT

<213> Homo sapiens

<400> 5566

Met Asp Glu Asn Phe Ile Ser Arg Ala Phe Ala Thr Met Gly Glu Thr
 1 5 10 15
 Val Met Ser Val Lys Ile Ile Arg Asn Arg Leu Thr Gly Ile Pro Ala
 20 25 30
 Gly Tyr Cys Phe Val Glu Phe Ala Asp Leu Ala Thr Ala Glu Lys Cys
 35 40 45
 Leu His Lys Ile Asn Gly Lys Pro Leu Pro Gly Ala Thr Pro Ala Lys
 50 55 60
 Arg Phe Lys Leu Asn Tyr Ala Thr Tyr Gly Lys Gln Pro Asp Asn Ser
 65 70 75 80

<210> 5567

<211> 258

<212> PRT

<213> Homo sapiens

<400> 5567

Met Ser Asn Tyr Val Asn Asp Met Trp Pro Gly Ser Pro Gln Glu Lys
 1 5 10 15
 Asp Ser Pro Ser Thr Ser Arg Ser Gly Gly Ser Ser Arg Leu Ser Ser
 20 25 30
 Arg Ser Arg Ser Arg Ser Phe Ser Arg Ser Ser Arg Ser His Ser Arg
 35 40 45
 Val Ser Ser Arg Phe Ser Ser Arg Ser Arg Arg Ser Lys Ser Arg Ser
 50 55 60
 Arg Ser Arg Ser Ala Thr Ser Gly Ser Thr Gly Ala Thr Arg Gly His
 65 70 75 80
 Thr Arg Gly Xaa Val Ala
 85

<210> 5568

<211> 357

<212> PRT

<213> Homo sapiens

<400> 5568

Met Glu Glu Tyr His Arg His Cys Asp Glu Val Gly Phe Asn Ala Glu
 1 5 10 15
 Glu Ala His Asn Ile Val Lys Glu Cys Val Asp Gly Val Leu Gly Gly
 20 25 30
 Glu Asp Tyr Asn His Asn Xaa Ile Asn Gln Trp Thr Ala Ser Ile Val
 35 40 45
 Glu Gln Ser Leu Thr His Leu Val Lys Leu Gly Lys Ala Tyr Lys Tyr
 50 55 60
 Ile Val Thr Cys Ala Val Val Gln Lys Ser Ala Tyr Gly Phe His Thr
 65 70 75 80
 Ala Ser Ser Cys Phe Trp Asp Thr Thr Ser Asp Gly Thr Cys Thr Val
 85 90 95
 Arg Trp Glu Asn Arg Thr Gly Ser Gly Thr Glu Val Ser Leu Arg Met
 100 105 110
 Xaa Ile Thr Val Asp Val Gly
 115

<210> 5569
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 5569
 Met Ala Lys Tyr Asn Thr Gly Gly Asn Pro Thr Glu Asp Val Ser Val
 1 5 10 15
 Asn Ser Arg Pro Phe Arg Val Thr Gly Pro Asn Ser Ser Ser Gly Ile
 20 25 30
 Gln Ala Arg Lys Asn Leu Phe Asn Asn Gln Gly Asn Ala Ser Pro Pro
 35 40 45
 Ala Gly Pro Ser Asn Val Pro Lys Phe Gly Ser Pro Lys Pro Pro Val
 50 55 60
 Ala Val Asn Leu Leu Leu Arg Lys Ser Leu Thr Arg Asn Pro Ser Pro
 65 70 75 80
 Arg Phe

<210> 5570
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 5570
 Met Ser Gln Lys Gln Glu Glu Glu Asn Pro Ala Glu Glu Thr Gly Glu
 1 5 10 15
 Glu Lys Gln Asp Thr Gln Glu Lys Glu Gly Ile Leu Pro Glu Arg Ala
 20 25 30
 Glu Glu Ala Lys Leu Lys Ala Lys Tyr Pro Ser Leu Gly Gln Lys Pro
 35 40 45
 Gly Gly Ser Asp Phe Leu Met Lys Arg Leu Gln Lys Gly Gln Lys Tyr
 50 55 60
 Phe Asp Ser Gly Asp Tyr Asn Met Ala Lys Ala Lys Met Lys Asn Lys
 65 70 75 80
 Gln Leu Pro Ser Ala Gly Pro Asp Lys Asn Leu Val Thr Gly Asp His
 85 90 95
 Ile Pro Xaa Pro Gln Asp Leu Pro Gln Arg Lys Ser Ser Leu Val Xaa

100 105 110
 Ser Lys Leu Ala Gly Gly Gln Leu Asn Asp
 115 120

<210> 5571
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 5571
 Met Glu Glu Lys Pro Ser Lys Val Ser Leu Lys Ser Ser Asp Arg Gln
 1 5 10 15
 Gly Ser Asp Glu Glu Ser Val His Ser Asp Thr Arg Asp Leu Trp Thr
 20 25 30
 Thr Thr Thr Leu Ser Gln Ala Gln Leu Asn Met Pro Leu Ser Glu Val
 35 40 45
 Cys Glu Gly Phe Asp Glu Glu Gly Arg Asn Ile Ser Lys Thr Arg Gly
 50 55 60
 Trp His Ser Pro Gly Arg Gly Ser Leu Asp Glu Gly Tyr Lys Ala Ser
 65 70 75 80
 His Lys Pro Glu Xaa Xaa Thr Ser Thr Arg Trp Trp Ser Trp Ser Cys
 85 90 95
 Thr Ala Ala Ala Pro Trp Lys Ser Ile Trp Gly Arg Arg Thr Leu His
 100 105 110
 Pro Arg Ser Arg Pro Val Ser Val Ala Ser Pro Gly Arg
 115 120 125

<210> 5572
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 5572
 Met Ala Pro Ile Pro Lys Thr Val Gly Arg Ile Lys Leu Asp Cys Ser
 1 5 10 15
 Leu Arg Pro Ser Cys Pro Leu Glu Val Ala Ala Xaa Pro Lys Leu Cys
 20 25 30
 Lys Glu Phe Gly Pro Glu Asp Tyr Gly Glu Glu Asp Ile Val Asp Phe
 35 40 45
 Leu Arg Arg Leu Val Glu Ser Asp Pro Gln Gly Leu His Arg Ile His
 50 55 60
 Val Asp Gly Ser Ser Gly Arg Leu Gln Leu Trp His His Asp Tyr Leu
 65 70 75 80
 Leu Gly His Leu Asp Asp Glu Gly Lys Ser Thr Gly Gln Ser Asp Arg
 85 90 95
 Gly Lys Gly Ala Glu Gly Leu Gly Thr Tyr Cys Gly Leu Arg Lys Ser
 100 105 110
 Phe Leu Tyr Pro Pro Gln Glu Ser Glu Pro Cys Pro Gln Ser Pro Ser
 115 120 125
 Ala Ser Ala Thr Phe Pro Ser Val Ser Asp Ser Leu
 130 135 140

<210> 5573
 <211> 153

<212> PRT
<213> Homo sapiens

<400> 5573
Met Lys Ile Pro Asn Ile Gly Asn Val Met Asn Lys Phe Glu Ile Leu
1 5 10 15
Gly Val Val Gly Glu Gly Ala Tyr Gly Val Val Leu Lys Cys Arg His
20 25 30
Lys Glu Thr His Glu Ile Val Ala Ile Lys Lys Phe Lys Asp Ser Glu
35 40 45
Glu Asn Glu
50

<210> 5574
<211> 234
<212> PRT
<213> Homo sapiens

<400> 5574
Met Ala Ala Pro Ser Ala Gly Ser Trp Ser Thr Phe Gln His Lys Glu
1 5 10 15
Leu Met Ala Ala Asp Arg Gly Arg Arg Ile Leu Gly Val Cys Gly Met
20 25 30
His Pro His His Gln Glu Ile Leu Lys Lys Xaa Arg Xaa Gly Ala Ser
35 40 45
Xaa Thr Ala Val Val Glu Arg Ile Val Arg Thr Ser Ser Gly Glu Gly
50 55 60
His His His Leu Gly Asn Glu Gly Ala His Pro Gly Gln Ser
65 70 75

<210> 5575
<211> 261
<212> PRT
<213> Homo sapiens

<400> 5575
Met Asp Leu His Leu Phe Asp Tyr Ser Glu Pro Gly Asn Phe Ser Asp
1 5 10 15
Ile Ser Trp Pro Cys Asn Ser Ser Asp Cys Ile Val Val Asp Thr Val
20 25 30
Met Cys Pro Asn Met Pro Asn Lys Ser Val Leu Leu Tyr Thr Leu Ser
35 40 45
Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val
50 55 60
Val Val Trp Val Asn Ile Gln Ala Lys Thr Thr Gly Tyr Asp Thr His
65 70 75 80
Cys Tyr Ile Leu Lys Pro Gly
85

<210> 5576
<211> 156
<212> PRT
<213> Homo sapiens

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<400> 5576

Met Val Tyr Gly Ala Ser Glu Ala Ile Gly Gln His Gln Ser Ser Ala
 1 5 10 15
 Ala Lys Pro Arg Arg Ser Gln Ser Glu Ser Leu Gly Pro Glu Phe Gln
 20 25 30
 Gly Ile Trp Glu Trp Leu Pro Asp Trp Asp Thr Gly Leu Leu Leu Pro
 35 40 45
 Leu Asp Ser Asp
 50

<210> 5577

<211> 306

<212> PRT

<213> Homo sapiens

<400> 5577

Met Glu Glu Pro Gln Lys Ser Tyr Val Asn Thr Met Asp Leu Glu Arg
 1 5 10 15
 Asp Glu Pro Leu Lys Ser Thr Gly Pro Gln Ile Ser Val Ser Glu Phe
 20 25 30
 Ser Cys His Cys Cys Tyr Asp Ile Leu Val Asn Pro Thr Thr Leu Asn
 35 40 45
 Cys Gly His Ser Phe Cys Arg His Cys Leu Ala Leu Trp Asp Ala Ile
 50 55 60
 Glu Lys Leu Phe Pro Asp Ala Ile Arg Leu Arg Phe Glu Asp Ile Gln
 65 70 75 80
 Gln Asn Asn Asp Ile Val Gln Ser Leu Ala Ala Phe Gln Lys Tyr Gly
 85 90 95
 Asn Asp Gln Ile Pro Leu
 100

<210> 5578

<211> 213

<212> PRT

<213> Homo sapiens

<400> 5578

Met Asp Asp Ala Asp Pro Glu Glu Arg Asn Tyr Asp Asn Met Leu Lys
 1 5 10 15
 Met Leu Ser Asp Leu Asn Lys Asp Leu Glu Lys Leu Leu Glu Glu Met
 20 25 30
 Glu Lys Ile Ser Val Gln Ala Thr Trp Met Ala Tyr Asp Met Val Val
 35 40 45
 Met Arg Thr Asn Pro Thr Leu Ala Glu Ser Met Arg Arg Leu Glu Asp
 50 55 60
 Ala Phe Val Asn Cys Lys Glu
 65 70

<210> 5579

<211> 213

<212> PRT

<213> Homo sapiens

<400> 5579

Met Lys Gln Thr Glu Val Leu Leu Gln Pro Asn Pro Asn Ala Arg Ile
 1 5 10 15
 Glu Glu Phe Val Tyr Glu Lys Leu Asp Arg Lys Ala Pro Ser Arg Ile
 20 25 30
 Asn Asn Pro Glu Leu Leu Gly Gln Tyr Met Ile Asp Ala Gly Thr Glu
 35 40 45
 Phe Gly Pro Gly Thr Ala Tyr Gly Asn Ala Leu Ile Lys Cys Gly Glu
 50 55 60
 Thr Gln Lys Arg Ile Gly Thr
 65 70

<210> 5580
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5580
 Met Met His Gln Ile Tyr Ser Cys Ser Asp Glu Asn Ile Glu Val Phe
 1 5 10 15
 Thr Thr Val Ile Pro Ser Lys Val Ser Ser Pro Ala Arg Arg Arg Ala
 20 25 30
 Lys Ser Ser Gln His Leu Leu Thr Lys Asn Val Val Ile Glu Ser Asp
 35 40 45
 Leu Tyr Thr His Gln Pro Leu Glu Leu Leu
 50 55

<210> 5581
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 5581
 Met Ala Glu Lys Phe Asp His Leu Glu Glu His Leu Glu Lys Phe Val
 1 5 10 15
 Glu Asn Ile Arg Gln Leu Gly Ile Ile Val Ser Asp Phe Gln Pro Ser
 20 25 30
 Ser Gln Ala Gly Leu Asn Gln Lys Leu Asn Phe Ile Val Thr Gly Leu
 35 40 45
 Gln Asp Ile Asp Lys Cys Arg Gln Gln Leu His Xaa Ile Thr Val Pro
 50 55 60
 Leu Glu Val Phe Glu Tyr Ile Asp Gln Gly Arg Asn Pro Gln Leu Tyr
 65 70 75 80
 Thr Lys Glu Cys Leu Glu Arg Ala Leu Ala Lys Asn Glu Gln Val Lys
 85 90 95
 Gly Lys Ile Asp Thr
 100

<210> 5582
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 5582
 Met Trp Ser Gly Arg Lys Leu Gly Ser Ser Gly Gly Trp Phe Leu Arg

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1 5 10 15
Val Leu Gly Pro Gly Gly Cys Asn Thr Lys Ala Ala Arg Pro Leu Ile
20 25 30
Ser Ser Ala Val Tyr Val Lys Asn Gln Leu Ser Gly Thr Leu Gln Ile
35 40 45
Lys Pro Gly Val Phe Asn Glu Tyr Arg Thr Ile Trp Phe Lys Ser Tyr
50 55 60
Arg Thr Ile Phe Ser Cys Leu Asn Arg Ile Lys Ser Phe Arg Tyr Pro
65 70 75 80
Trp Ala Arg Leu Tyr
85

<210> 5583
<211> 153
<212> PRT
<213> Homo sapiens

<400> 5583
Met Asn Ile Asp Ala Lys Ile Leu Asn Lys Ile Leu Ala Asn Arg Ile
1 5 10 15
Gln Gln His Ile Lys Lys Leu Ile His His Asp Gln Val Gly Phe Ile
20 25 30
Pro Gly Met Gln Gly Trp Phe Asn Ile Arg Lys Ser Xaa Asn Val Ile
35 40 45
Gln His Ile
50

<210> 5584
<211> 597
<212> PRT
<213> Homo sapiens

<400> 5584
Met Ala Asn Arg Gly Pro Ser Tyr Gly Leu Ser Arg Glu Xaa Gln Glu
1 5 10 15
Lys Ile Glu Gln Lys Tyr Asp Ala Asp Leu Glu Asn Lys Leu Val Asp
20 25 30
Trp Ile Ile Leu Gln Cys Ala Glu Asp Ile Glu His Pro Pro Pro Gly
35 40 45
Arg Ala His Phe Gln Lys Trp Leu Met Asp Gly Thr Val Leu Cys Lys
50 55 60
Leu Ile Asn Ser Leu Tyr Pro Pro Gly Gln Glu Pro Ile Pro Lys Ile
65 70 75 80
Ser Glu Ser Lys Met Ala Phe Lys Gln Met Glu Gln Ile Ser Gln Phe
85 90 95
Leu Lys Ala Ala Glu Thr Tyr Gly Val Arg Thr Thr Asp Ile Phe Gln
100 105 110
Thr Val Asp Leu Trp Glu Gly Lys Asp Met Ala Ala Val Gln Arg Thr
115 120 125
Leu Met Ala Leu Gly Ser Val Ala Val Thr Lys Asp Asp Gly Cys Tyr
130 135 140
Arg Gly Glu Pro Ser Trp Phe His Arg Lys Ala Gln Gln Asn Arg Arg
145 150 155 160
Gly Phe Ser Glu Glu Gln Leu Arg Gln Gly Gln Asn Val Ile Gly Leu

165 170 175
 Gln Met Gly Ser Asn Arg Glu Leu Pro Gly Gly His Asp Arg Val Arg
 180 185 190
 Asp Ala Gln Ala Asp His Val
 195

<210> 5585
 <211> 597
 <212> PRT
 <213> Homo sapiens

<400> 5585
 Met Ala Asn Arg Gly Pro Ser Tyr Gly Leu Ser Arg Glu Val Gln Glu
 1 5 10 15
 Lys Ile Glu Gln Lys Tyr Asp Ala Asp Leu Glu Asn Lys Leu Val Asp
 20 25 30
 Trp Ile Ile Leu Gln Cys Ala Glu Asp Ile Glu His Pro Pro Pro Gly
 35 40 45
 Arg Ala His Phe Gln Lys Trp Leu Met Asp Gly Thr Val Leu Cys Lys
 50 55 60
 Leu Ile Asn Ser Leu Tyr Pro Pro Gly Gln Glu Pro Ile Pro Lys Ile
 65 70 75 80
 Ser Glu Ser Lys Met Ala Phe Lys Gln Met Glu Gln Ile Ser Gln Phe
 85 90 95
 Leu Lys Ala Ala Glu Thr Tyr Gly Val Arg Thr Thr Asp Ile Phe Gln
 100 105 110
 Thr Val Asp Leu Trp Glu Gly Lys Asp Met Ala Ala Val Gln Arg Thr
 115 120 125
 Leu Met Ala Leu Gly Ser Val Ala Val Thr Lys Asp Asp Gly Cys Tyr
 130 135 140
 Arg Gly Glu Pro Ser Trp Phe His Arg Lys Ala Gln Gln Asn Arg Arg
 145 150 155 160
 Gly Phe Ser Glu Glu Gln Leu Arg Gln Gly Gln Asn Val Ile Gly Leu
 165 170 175
 Gln Met Gly Ser Asn Arg Glu Leu Pro Gly Gly His Asp Arg Val Arg
 180 185 190
 Asp Ala Gln Ala Asp His Val
 195

<210> 5586
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 5586
 Met Trp Tyr His Arg Leu Ser His Leu His Ser Arg Leu Gln Asp Leu
 1 5 10 15
 Leu Lys Gly Gly Val Ile Tyr Pro Ala Leu Pro Gln Pro Asn Phe Lys
 20 25 30
 Ser Leu Leu Pro Leu Ala Val His Trp His His Thr Ala Ser Lys Ser
 35 40 45
 Leu Thr Cys Ala Trp Gln Gln His Glu Asp His Phe Glu Leu Lys Tyr
 50 55 60
 Ala Asn Thr Val Met Arg Phe Asp Tyr Val Trp Leu Arg Asp His Cys

65 70 75 80
 Arg Ser Ala Ser Cys Tyr Asn Ser Lys Thr
 85 90

<210> 5587
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5587
 Met Ser Lys Gly Pro Ala Val Gly Ile Asp Leu Gly Thr Thr Tyr Ser
 1 5 10 15
 Cys Val Gly Val Phe Gln His Gly Lys Val Glu Ile Ile Ala Asn Asp
 20 25 30
 Gln Gly Asn Arg Thr Thr Pro Ser Tyr Val Ala Phe Thr Asp Thr Glu
 35 40 45
 Arg Leu Ile Gly Asp Ala Ala Lys Asn Gln Val Ala Met Asn Pro Thr
 50 55 60
 Asn Thr Val Phe Asp Ala Lys Arg Leu Ile Gly Arg Arg Phe Asp Asp
 65 70 75 80
 Ala Val Val Gln Ser Asp Met Lys His Trp Pro Phe Met Val Val Asn
 85 90 95
 Asp Ala Gly Arg Pro Lys Val Gln Val Glu Tyr Lys Gly Glu Thr Lys
 100 105 110
 Ser Phe Tyr Pro Glu Glu Val Ser
 115 120

<210> 5588
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 5588
 Met Leu Ala Ser Xaa Glu Leu Thr Ala Lys Arg Arg Lys Gln Gln Lys
 1 5 10 15
 Val Trp Met Trp Asn Leu Ile Gln Glu Ser Val Leu Glu His Phe Arg
 20 25 30
 Thr His Pro Thr Val Arg Glu Gln Ile Pro Leu Leu Glu Gln Lys Val
 35 40 45
 Leu Ile Gly Ala Leu Ser Pro Gly Leu Ala Ala Asp Phe Leu Leu Lys
 50 55 60
 Ala Phe Lys Ser
 65

<210> 5589
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5589
 Met Asn Pro Ser Met Lys Gln Lys Gln Glu Glu Ile Lys Glu Asn Ile
 1 5 10 15
 Lys Asn Ser Ser Val Pro Arg Arg Thr Leu Lys Met Ile Gln Pro Ser
 20 25 30

Ala Ser Gly Ser Leu Val Gly Arg Glu Asn Glu Leu Ser Ala Gly Leu
 35 40 45
 Ser Lys Arg Lys His Arg Asn Asp His Leu Thr Ser Thr Thr Ser Ser
 50 55 60
 Pro Gly Val Ile Val Pro Glu Ser Ser Glu Asn Lys Asn Leu Gly Gly
 65 70 75 80
 Val Thr Gln Glu Ser Phe Asp Leu Met Ile Lys Glu Asn Pro Ser Ser
 85 90 95
 Gln Tyr Trp Lys Glu Val Ala Glu Lys Arg Arg Lys Ala Leu Tyr Glu
 100 105 110
 Ala Leu Lys Xaa Asn Glu Lys Leu His Lys Glu Ile Glu Gln Lys Asp
 115 120 125
 Asn Glu Ile Ala
 130

<210> 5590
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5590
 Met Asn Pro Ser Met Lys Gln Lys Gln Glu Glu Ile Lys Glu Asn Ile
 1 5 10 15
 Lys Asn Ser Ser Val Pro Arg Arg Thr Leu Lys Met Ile Gln Pro Ser
 20 25 30
 Ala Ser Gly Ser Leu Val Gly Arg Glu Asn Glu Leu Ser Ala Gly Leu
 35 40 45
 Ser Lys Arg Lys His Arg Asn Asp His Leu Thr Ser Thr Thr Ser Ser
 50 55 60
 Pro Gly Val Ile Val Pro Glu Ser Ser Glu Asn Lys Asn Leu Gly Gly
 65 70 75 80
 Val Thr Gln Glu Ser Phe Asp Leu Met Ile Lys Glu Asn Pro Ser Ser
 85 90 95
 Gln Tyr Trp Lys Glu Val Ala Glu Lys Arg Arg Lys Ala Leu Tyr Glu
 100 105 110
 Ala Leu Lys Xaa Asn Glu Lys Leu His Lys Glu Ile Glu Gln Lys Asp
 115 120 125
 Asn Glu Ile Ala
 130

<210> 5591
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5591
 Met Asn Pro Ser Met Lys Gln Lys Gln Glu Glu Ile Lys Glu Asn Ile
 1 5 10 15
 Lys Asn Ser Ser Val Pro Arg Arg Thr Leu Lys Met Ile Gln Pro Ser
 20 25 30
 Ala Ser Gly Ser Leu Val Gly Arg Glu Asn Glu Leu Ser Ala Gly Leu
 35 40 45
 Ser Lys Arg Lys His Arg Asn Asp His Leu Thr Ser Thr Thr Ser Ser
 50 55 60

Pro Gly Val Ile Val Pro Glu Ser Ser Glu Asn Lys Asn Leu Gly Gly
65 70 75 80
Val Thr Gln Glu Ser Phe Asp Leu Met Ile Lys Glu Asn Pro Ser Ser
85 90 95
Gln Tyr Trp Lys Glu Val Ala Glu Lys Arg Arg Lys Ala Leu Tyr Glu
100 105 110
Ala Leu Lys Xaa Asn Glu Lys Leu His Lys Glu Ile Glu Gln Lys Asp
115 120 125
Asn Glu Ile Ala
130

<210> 5592
<211> 276
<212> PRT
<213> Homo sapiens

<400> 5592
Met Xaa His Lys Asn Gly Phe Pro Gln Glu Gly Gly Ile Thr Ala Ala
1 5 10 15
Phe Leu Gln Lys Arg Lys Leu Arg Leu Ser Lys Asn Xaa Arg Pro Ala
20 25 30
Arg Xaa Lys Val Thr Glu His Val Arg Gly Thr Arg Pro Gly Ser Cys
35 40 45
His Xaa Arg Xaa Gly Xaa Phe Gly Arg Gly Xaa Pro Gly Pro Xaa Xaa
50 55 60
Leu Thr Asp Gly Glu Thr Glu Ala Arg Pro Ala Ala Glu Ala Pro Arg
65 70 75 80
Thr Tyr Pro Ser Asn Xaa Asn Ser Pro Pro Arg Thr
85 90

<210> 5593
<211> 294
<212> PRT
<213> Homo sapiens

<400> 5593
Met Ser Ala Ala Glu Ala Gly Gly Val Phe His Arg Ala Arg Gly Arg
1 5 10 15
Thr Leu Ala Ala Phe Pro Ala Glu Lys Glu Ser Glu Trp Lys Gly Pro
20 25 30
Phe Tyr Phe Ile Leu Gly Ala Asp Pro Gln Phe Gly Leu Ile Lys Ala
35 40 45
Trp Ser Thr Gly Asp Cys Asp Asn Gly Gly Asp Glu Trp Glu Gln Glu
50 55 60
Ile Arg Leu Thr Glu Gln Ala Val Gln Ala Ile Asn Lys Leu Asn Pro
65 70 75 80
Lys Pro Lys Phe Phe Val Leu Cys Gly Asp Leu Ile His Ala Met Pro
85 90 95
Gly Lys

<210> 5594
<211> 207
<212> PRT
<213> Homo sapiens

<400> 5594

Met Ala Glu Arg Lys Gly Thr Ala Lys Val Asp Phe Leu Lys Lys Ile
1 5 10 15
Glu Lys Glu Ile Gln Gln Lys Trp Asp Thr Glu Arg Val Phe Glu Val
20 25 30
Asn Ala Ser Asn Leu Glu Lys Gln Thr Ser Lys Gly Lys Tyr Phe Val
35 40 45
Thr Phe Pro Tyr Pro Tyr Met Asn Gly Arg Leu His Leu Gly His Thr
50 55 60
Phe Ser Leu Ser Lys
65

<210> 5595

<211> 378

<212> PRT

<213> Homo sapiens

<400> 5595

Met Gln Gly Ser Thr Arg Arg Met Gly Val Met Thr Asp Val His Arg
1 5 10 15
Arg Phe Leu Gln Leu Leu Met Thr His Gly Val Leu Glu Glu Trp Asp
20 25 30
Val Lys Arg Leu Gln Thr His Cys Tyr Lys Val His Asp Arg Asn Ala
35 40 45
Thr Val Asp Lys Leu Glu Asp Phe Ile Asn Asn Ile Asn Ser Val Leu
50 55 60
Glu Ser Leu Tyr Ile Glu Ile Lys Arg Gly Val Thr Glu Asp Asp Gly
65 70 75 80
Arg Pro Ile Tyr Ala Leu Val Asn Leu Ala Thr Thr Ser Ile Ser Lys
85 90 95
Met Ala Thr Asp Phe Ala Glu Asn Glu Leu Asp Leu Phe Arg Lys Ala
100 105 110
Leu Glu Leu Ile Ile Asp Ser Glu Thr Gly Phe Ala Ser Ser
115 120 125

<210> 5596

<211> 252

<212> PRT

<213> Homo sapiens

<400> 5596

Met Phe Ala Pro Ala Val Met Arg Ala Phe Arg Lys Asn Lys Thr Leu
1 5 10 15
Gly Tyr Gly Val Pro Met Leu Met Asp Pro Glu Leu Glu Lys Lys Leu
20 25 30
Lys Glu Asn Lys Ile Ser Leu Glu Ser Glu Tyr Glu Lys Ile Lys Asp
35 40 45
Ser Lys Phe Asp Asp Trp Lys Asn Ile Arg Gly Pro Arg Pro Trp Glu
50 55 60
Asp Pro Asp Leu Leu Gln Gly Arg Ile Gln Lys Ala Leu Arg Leu Arg
65 70 75 80
Gln Leu Asp Ser

<210> 5597
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 5597
 Met Gly Gly Cys Pro Val Arg Lys Arg Arg Arg Asn Gly Ser Lys Glu
 1 5 10 15
 Gly Asn His His Ser Thr Gln Pro Lys Arg Asn Lys Arg Asn Pro Ile
 20 25 30
 Phe Gln Asp Ser Gln Asp Thr Glu Val Phe Ser Trp Ser Asp Asn Glu
 35 40 45
 Arg Ser Ser Ser Arg Ile Asn Ile Pro Glu Arg Ala Ser Gly Pro Glu
 50 55 60
 Gly Asn Leu Asn Gln Ile Val Thr Glu Pro Asp Ala Asn Phe Pro Gln
 65 70 75 80
 Phe Leu His Glu Gly Tyr Val Pro Cys Gln Gly Leu Tyr Ser His Ile
 85 90 95
 Asn Gln

<210> 5598
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5598
 Met Asn Leu Phe Asn Leu Asp Arg Phe Arg Phe Glu Lys Arg Asn Lys
 1 5 10 15
 Ile Glu Glu Ala Pro Glu Ala Thr Pro Gln Pro Ser Gln Pro Gly Pro
 20 25 30
 Ser Ser Pro Ile Ser Leu Ser Ala Glu Glu Glu Asn Ala Glu Gly Xaa
 35 40 45
 Val Ser Arg Ala Asn Thr Pro Asp Ser Asp Ile Thr Glu Lys Thr Glu
 50 55 60
 Asp Ser Ser Val Pro Glu Thr Pro Asp Xaa Glu
 65 70 75

<210> 5599
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 5599
 Met Ala Ala Pro Trp Ala Ser Leu Arg Leu Val Ala Pro Met Trp Asn
 1 5 10 15
 Gly Arg Ile Arg Gly Ile His Arg Leu Gly Ala Ala Val Ala Pro Glu
 20 25 30
 Gly Ser Gln Lys Lys Lys Arg Thr Ile Leu Gln Phe Leu Thr Asn Tyr
 35 40 45
 Phe Tyr Asp Val Glu Ala Leu Arg Asp Tyr Leu Leu Gln Arg Glu Met
 50 55 60
 Tyr Lys Val His Glu Lys Asn Arg Phe Arg Asp Lys Glu Trp Ile Arg
 65 70 75 80
 Pro Asp Lys Tyr Gly His Phe Ser Gln Glu Phe Trp Asn Phe Cys Glu

			85					90					95				
Val	Pro	Val	Glu	Ala	Val	Asp	Ala	Gly	Asp	Cys	Asp	Ile	Asn	Tyr	Glu		
			100					105					110				
Gly	Leu	Asp	Asn	Leu	Leu	Arg	Leu	Lys	Glu	Leu	Gln	Ser	Leu	Ser	Leu		
		115					120					125					
Gln	Arg	Cys	Ser	His	Val	Asp	Asp										
	130					135											

<210> 5600
 <211> 297
 <212> PRT
 <213> Homo sapiens

Met	Glu	Gly	Ala	Gly	Tyr	Arg	Val	Val	Phe	Glu	Lys	Gly	Gly	Val	Tyr		
1				5					10					15			
Leu	His	Thr	Ser	Ala	Lys	Lys	Tyr	Gln	Asp	Arg	Asp	Ser	Leu	Ile	Ala		
			20					25					30				
Gly	Val	Ile	Arg	Val	Val	Glu	Lys	Asp	Asn	Asp	Val	Leu	Leu	His	Trp		
		35					40					45					
Ala	Pro	Val	Glu	Glu	Ala	Gly	Asp	Ser	Thr	Gln	Ile	Leu	Phe	Ser	Lys		
	50					55					60						
Lys	Asp	Ser	Ser	Gly	Gly	Asp	Ser	Cys	Ala	Ser	Glu	Glu	Glu	Pro	Thr		
65				70					75					80			
Phe	Asp	Pro	Gly	Tyr	Glu	Pro	Xaa	Xaa	Ala	Val	Ile	Ser	Thr	Val	Arg		
				85					90					95			

Pro Gln Xaa

<210> 5601
 <211> 162
 <212> PRT
 <213> Homo sapiens

Met	Ala	Thr	Glu	Glu	Phe	Ile	Ile	Arg	Ile	Pro	Pro	Tyr	His	Tyr	Ile		
1				5					10					15			
His	Val	Leu	Asp	Gln	Asn	Ser	Asn	Val	Ser	Arg	Val	Glu	Val	Gly	Pro		
			20					25					30				
Lys	Thr	Tyr	Ile	Arg	Gln	Asp	Asn	Glu	Arg	Val	Leu	Phe	Ala	Pro	Met		
		35					40					45					

Arg Met Val Thr Val Pro
 50

<210> 5602
 <211> 288
 <212> PRT
 <213> Homo sapiens

Met	Lys	Glu	Ala	Lys	Asp	Ala	Arg	Tyr	Thr	Asn	Gly	His	Leu	Phe	Thr		
1				5					10					15			
Thr	Ile	Ser	Val	Ser	Gly	Met	Thr	Met	Cys	Tyr	Ala	Cys	Xaa	Lys	Ser		
			20					25					30				

Ile Thr Ala Lys Glu Ala Leu Ile Cys Pro Thr Cys Asn Val Thr Ile

	35					40						45					
His	Asn	Arg	Cys	Lys	Asp	Thr	Leu	Ala	Asn	Cys	Thr	Lys	Val	Lys	Gln		
	50					55					60						
Lys	Gln	Gln	Lys	Ala	Ala	Leu	Leu	Lys	Asn	Asn	Thr	Ala	Leu	Gln	Ser		
65					70				75					80			
Val	Ser	Leu	Arg	Ser	Lys	Thr	Thr	Ile	Arg	Glu	Arg	Pro	Ser	Ser	Ala		
				85					90					95			

<210> 5603
 <211> 198
 <212> PRT
 <213> Homo sapiens

Met	Thr	Gly	Lys	Ala	Lys	Thr	Arg	Glu	Lys	Glu	Lys	Met	Lys	Glu	Ala		
1				5				10						15			
Lys	Asp	Ala	Arg	Tyr	Thr	Asn	Gly	His	Leu	Phe	Thr	Thr	Ile	Ser	Val		
			20				25						30				
Ser	Gly	Met	Thr	Met	Cys	Tyr	Ala	Cys	Asn	Lys	Ser	Ile	Thr	Ala	Lys		
		35					40					45					
Glu	Ala	Leu	Ile	Cys	Pro	Thr	Cys	Asn	Val	Thr	Ile	His	Asn	Arg	Cys		
	50					55					60						
Lys	Asp																
65																	

<210> 5604
 <211> 393
 <212> PRT
 <213> Homo sapiens

Met	Gly	Pro	Leu	Pro	Arg	Thr	Val	Glu	Leu	Phe	Tyr	Asp	Val	Leu	Ser		
1				5				10						15			
Pro	Tyr	Ser	Trp	Leu	Gly	Phe	Glu	Ile	Leu	Cys	Arg	Tyr	Gln	Asn	Ile		
			20				25						30				
Trp	Asn	Ile	Asn	Leu	Gln	Leu	Arg	Pro	Ser	Leu	Ile	Thr	Gly	Ile	Met		
		35					40					45					
Lys	Asp	Ser	Gly	Asn	Lys	Pro	Pro	Gly	Leu	Leu	Pro	Arg	Lys	Gly	Leu		
	50					55					60						
Tyr	Met	Ala	Asn	Asp	Leu	Lys	Leu	Leu	Arg	His	His	Leu	Gln	Ile	Pro		
65					70				75					80			
Ile	His	Phe	Pro	Lys	Asp	Phe	Leu	Ser	Val	Met	Leu	Glu	Lys	Gly	Ser		
				85					90					95			
Leu	Ser	Ala	Met	Arg	Phe	Leu	Thr	Ala	Val	Asn	Leu	Glu	His	Pro	Glu		
			100					105					110				
Met	Leu	Glu	Lys	Ala	Ser	Arg	Glu	Leu	Trp	Met	Arg	Val	Trp	Ser	Arg		
		115					120						125				
Asn	Glu	Asp															
130																	

<210> 5605
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 5605

Met Lys Ser Cys Gln Lys Met Glu Gly Lys Pro Glu Asn Glu Ser Glu
1 5 10 15
Pro Lys His Glu Glu Glu Pro Lys Pro Glu Glu Lys Pro Glu Glu Glu
20 25 30
Glu Lys Leu Glu Glu Glu Ala Lys Ala Lys Gly Thr Phe Arg Glu Arg
35 40 45
Leu Ile Gln Ser Leu Gln Glu Phe Lys Glu Asp Xaa Xaa
50 55 60

<210> 5606

<211> 198

<212> PRT

<213> Homo sapiens

<400> 5606

Met Thr Glu Lys Glu Val Leu Glu Ser Pro Lys Pro Ser Phe Pro Ala
1 5 10 15
Glu Thr Arg Gln Ser Gly Arg Leu Lys Gln Leu Leu Arg Lys Gly Ser
20 25 30
Thr Gly Thr Lys Glu Met Glu Leu Pro Pro Glu Pro Gln Ala Asn Gly
35 40 45
Glu Ala Val Gly Ala Gly Gly Gly Pro Ile Tyr Tyr Ile Tyr Glu Glu
50 55 60
Glu Glu
65

<210> 5607

<211> 282

<212> PRT

<213> Homo sapiens

<400> 5607

Met Ser Leu Arg Arg His Ile Gly Asn Pro Glu Tyr Leu Met Lys Arg
1 5 10 15
Ile Pro Gln Asn Pro Arg Tyr Gln His Ile Lys Ser Arg Leu Asp Thr
20 25 30
Gly Asn Ser Met Thr Lys Tyr Thr Glu Lys Leu Glu Glu Ile Lys Lys
35 40 45
Asn Tyr Arg Tyr Lys Lys Asp Glu Leu Phe Lys Arg Leu Lys Val Thr
50 55 60
Thr Phe Ala Gln Leu Ile Ile Gln Val Ala Ser Leu Ser Asp Gln Thr
65 70 75 80
Leu Glu Val Thr Ala Glu Glu Ile Gln Arg Leu Glu Asp Asn
85 90

<210> 5608

<211> 366

<212> PRT

<213> Homo sapiens

<400> 5608

Met Cys Phe Ser Arg Ala Asp Ala Ala Asp Asn Tyr Pro Phe Gly Thr

004400" 666666

1		5		10		15									
Cys	Gln	Gln	Arg	Lys	Leu	Phe	Pro	His	Phe	His	Pro	Pro	Asn	Leu	Ile
		20					25						30		
Gly	Asn	Lys	Phe	Val	Pro	Leu	Arg	Gly	Ser	Pro	His	Arg	Gly	Pro	Gly
	35						40					45			
Cys	Tyr	Phe	Ser	Asp	Gly	Tyr	Gly	Leu	Ala	Tyr	Asp	Leu	Ser	Lys	Ile
	50					55					60				
Pro	Thr	Ser	Ile	Lys	Gly	Tyr	Thr	Leu	Gly	Ala	Arg	Thr	Ala	Val	Arg
65				70						75				80	
Phe	Lys	Pro	Ile	Gln	Lys	Glu	Met	Thr	Pro	His	Ala	Gly	Arg	Tyr	Gln
			85					90						95	
Asn	Val	Ser	Pro	Gln	Gln	Glu	Xaa	His	Lys	Gln	Asn	Phe	Ala	Pro	Phe
		100						105					110		
Asn	Val	Leu	Val	Pro	Arg	Phe	Lys	Asn	Tyr						
	115						120								

<210> 5609
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 5609
Met Ala Ala Glu Thr Gln Thr Leu Asn Xaa Gly Pro Glu Trp Leu Arg
1 5 10 15
Ala Leu Ser Ser Gly Gly Ser Ile Thr Ser Pro Pro Leu Ser Pro Ala
20 25 30
Leu Pro Lys Tyr Lys Leu Ala Asp Tyr Arg Tyr Gly Arg Glu Glu Met
35 40 45
Leu Ala Leu Phe Leu Lys Asp Asn Lys Ile Pro Ser Asp Leu
50 55 60

<210> 5610
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 5610
Met Ala Ser His Arg His Ser Gly Pro Ser Ser Tyr Lys Val Gly Thr
1 5 10 15
Met Ala Glu Lys Phe Asp Cys His Tyr Cys Arg Asp Pro Leu Gln Gly
20 25 30
Lys Lys Tyr Val Gln Lys Asp Gly His His Cys Cys Leu Lys Cys Phe
35 40 45
Asp Lys Phe Cys Ala Asn Thr Cys Val Glu Cys Arg Lys Pro Ile Gly
50 55 60
Ala Asp Ser Lys Glu Val His Tyr Lys Asn Arg Phe Trp His Asp Thr
65 70 75 80
Cys Phe Arg Cys Ala Lys Cys Leu His Pro Leu Ala Asn Glu Thr Phe
85 90 95
Val Ala Lys Asp Asn Lys Ile Leu Cys Asn Lys Cys Thr Thr Arg Glu
100 105 110
Asp Ser Pro Lys Cys Lys Gly Cys Phe Lys Ala Ile Val Thr
115 120 125

<210> 5611
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5611
 Met Ala Ser His Arg His Ser Gly Pro Ser Ser Tyr Lys Val Gly Thr
 1 5 10 15
 Met Ala Glu Lys Phe Asp Xaa Pro Leu Leu Gln Gly Ser Leu Ala Gly
 20 25 30
 Glu Glu Val Cys Ala Lys Gly Trp Pro Pro Leu Gln Ala Leu Arg Glu
 35 40 45
 Val Gln Gln Gly His Xaa Ile Trp Arg Asn Xaa Leu Pro Gly Ser Ala
 50 55 60
 Leu Ala Cys Arg Leu Leu Cys Val Cys Tyr Leu Ile Arg Ser Trp Leu
 65 70 75 80
 Gly Ser Val Ser Pro Leu Trp Arg Thr Ser Ile Thr Ala Trp Ile Ala
 85 90 95
 Thr Arg Thr Leu Trp Pro Xaa Ser
 100

<210> 5612
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 5612
 Met Asn Lys Leu Phe Ser Phe Trp Lys Arg Lys Asn Glu Thr Arg Ser
 1 5 10 15
 Gln Gly Tyr Asn Leu Arg Glu Lys Asp Leu Lys Lys Leu His Arg Ala
 20 25 30
 Ala Ser Val Gly Asp Leu Lys Lys Leu Lys Glu Tyr Leu Gln Ile Lys
 35 40 45
 Lys Tyr Asp Val Asn Met Gln Asp Lys Lys Tyr Ser Val Val Gln Ser
 50 55 60
 Ser Arg Trp Leu Leu Ser Tyr Thr Thr
 65 70

<210> 5613
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5613
 Met Ala Gly Asn Phe Trp Gln Ser Ser His Tyr Leu Gln Trp Ile Leu
 1 5 10 15
 Asp Lys Gln Asp Leu Leu Lys Glu Arg Gln Lys Asp Leu Lys Phe Leu
 20 25 30
 Ser Glu Glu Glu Tyr Trp Lys Leu Gln Ile Phe Phe Thr Asn Val Ile
 35 40 45
 Gln Ala Leu Gly Glu His Leu Lys Leu Arg Gln Gln
 50 55 60

<210> 5614

<211> 267
 <212> PRT
 <213> Homo sapiens

<400> 5614
 Met Glu Phe Leu Leu Gly Asn Pro Phe Ser Thr Pro Val Gly Gln Cys
 1 5 10 15
 Leu Glu Lys Ala Thr Asp Gly Ser Leu Gln Ser Glu Asp Trp Thr Leu
 20 25 30
 Asn Met Glu Ile Cys Asp Ile Ile Asn Glu Thr Glu Glu Gly Pro Lys
 35 40 45
 Asp Ala Ile Arg Ala Leu Lys Lys Arg Leu Asn Gly Asn Arg Asn Tyr
 50 55 60
 Arg Glu Val Met Leu Ala Leu Thr Val Leu Glu Thr Cys Val Xaa Asn
 65 70 75 80
 Cys Gly His Arg Phe His Ile Leu Val
 85

<210> 5615
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 5615
 Met Trp Asp Ser Thr Ile Asn Leu Ala Ser Ser His Cys Phe Ser Ser
 1 5 10 15
 Arg Thr Cys Arg Lys Ser Phe Arg Leu Cys Ala Gly Ser Cys Gly Cys
 20 25 30
 Pro Trp Asn Gly Arg Gly Ser Pro Val Phe Pro Leu Gly Tyr Gln Tyr
 35 40 45
 Pro Ser Leu Asp Gln Leu Ala Asp Met Ile Pro Cys Val Leu Gln Tyr
 50 55 60
 Leu Asn Phe Ser Thr Ile Ile Gly Val Val Leu Glu Leu Glu Pro
 65 70 75

<210> 5616
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 5616
 Met Ala Xaa Cys Arg Arg Cys Arg Ser Gln Arg Arg Ser His Cys Cys
 1 5 10 15
 Gln Asp Arg Arg Leu Arg Arg Pro Arg Leu Thr Leu Trp Arg His His
 20 25 30
 Thr Ala Leu Ser Leu Ser Leu Ser Met Ala Pro Pro Asn Pro Asn Ala
 35 40 45
 Gln Arg Ser Leu Pro Thr Thr Met Trp Asp Ser Thr Ile Asn Leu Ala
 50 55 60
 Ser Ser His Cys Phe Ser Ser Arg Thr Cys Arg Lys Ser Phe Arg Thr
 65 70 75 80
 Leu Cys Gly Phe Asn Val Asp Ala Pro Gly Xaa Gly
 85 90

<210> 5617
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 5617
 Met Val Val Ser Lys Met Asn Lys Asp Ala Gln Met Arg Ala Ala Ile
 1 5 10 15
 Asn Gln Lys Leu Ile Glu Thr Gly Glu Arg Glu Arg Leu Lys Glu Leu
 20 25 30
 Leu Arg Ala Lys Leu Ile Glu Cys Gly Trp Lys Asp Gln Leu Lys Ala
 35 40 45
 His Cys Lys Glu Val Ile Lys Glu Lys Gly Leu Glu His Val Thr Val
 50 55 60
 Asp Asp Leu Val Ala Glu Ile Thr Pro Lys Gly Arg Ala Leu Val Pro
 65 70 75 80
 Asp Ser Val Lys Lys Glu Leu Leu Gln Arg Ile Arg Thr Phe Leu Ala
 85 90 95
 Gln

<210> 5618
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 5618
 Met Asn Lys Asp Ala Gln Met Arg Ala Ala Ile Asn Gln Lys Leu Ile
 1 5 10 15
 Glu Thr Gly Glu Arg Glu Arg Leu Lys Glu Leu Leu Arg Ala Lys Leu
 20 25 30
 Ile Glu Cys Gly Trp Lys Asp Gln Xaa Lys Ala His Cys Lys Glu Val
 35 40 45
 Ile Lys Glu Lys Gly Leu Glu His Val Thr Val Asp Asp Leu Val Ala
 50 55 60
 Glu Ile Thr Pro Lys Gly Arg Ala Leu Val Pro Asp Ser Val Lys Lys
 65 70 75 80
 Glu Leu Leu Gln Arg Ile Arg Thr Phe Leu Ala Gln
 85 90

<210> 5619
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 5619
 Met Val Val Ser Tyr Ala Arg Gly Pro Gln Gly Arg Asp Pro Gly Pro
 1 5 10 15
 Ala Gln Ala Pro Phe Asp Val Ser Lys Met Asn Lys Asp Ala Gln Met
 20 25 30
 Arg Ala Ala Ile Asn Gln Lys Leu Ile Glu Thr Gly Glu Arg Glu Arg
 35 40 45
 Leu Lys Glu Leu Leu Arg Ala Lys Leu Ile Glu Cys Gly Trp Lys Asp
 50 55 60
 Gln Leu Lys Ala His Cys Lys Glu Val Ile Lys Glu Lys Gly Leu Glu

65		70		75		80									
His	Val	Thr	Val	Asp	Asp	Leu	Val	Ala	Glu	Ile	Thr	Pro	Lys	Gly	Arg
			85						90					95	
Ala	Leu	Val	Pro	Asp	Ser	Val	Lys	Lys	Glu	Leu	Leu	Gln	Arg	Ile	Arg
			100					105					110		
Thr	Phe	Leu	Ala	Gln											
			115												

<210> 5620
 <211> 468
 <212> PRT
 <213> Homo sapiens

<400> 5620
Met Ala Ser Gly Gly Ser Gly Gly Val Ser Val Pro Ala Leu Trp Ser
1 5 10 15
Glu Val Asn Arg Tyr Gly Gln Asn Gly Asp Phe Thr Arg Ala Leu Lys
20 25 30
Thr Val Asn Lys Ile Leu Gln Ile Asn Lys Asp Asp Val Thr Ala Leu
35 40 45
His Cys Lys Val Val Cys Leu Ile Gln Asn Gly Ser Phe Lys Glu Ala
50 55 60
Leu Asn Val Ile Asn Thr His Thr Lys Val Leu Ala Asn Asn Ser Leu
65 70 75 80
Ser Phe Glu Lys Ala Tyr Cys Glu Tyr Arg Leu Asn Arg Ile Glu Asn
85 90 95
Ala Leu Lys Thr Ile Glu Ser Ala Asn Gln Gln Thr Asp Lys Leu Lys
100 105 110
Glu Leu Tyr Gly Gln Val Leu Tyr Arg Leu Glu Arg Tyr Asp Glu Cys
115 120 125
Leu Ala Val Tyr Arg Asp Leu Val Arg Asn Ser Gln Asp Xaa Met Met
130 135 140
Arg Arg Gly Lys Gln Thr Phe Ser Ser Cys Cys Ser
145 150 155

<210> 5621
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 5621
Met Cys Cys Glu Lys Trp Ser Arg Val Ala Glu Met Phe Leu Phe Thr
1 5 10 15
Glu Glu Arg Glu Asp Cys Lys Ile Leu Cys Leu Cys Ser Arg Ala Phe
20 25 30
Val Glu Asp Arg Lys Leu Tyr Asn Leu Gly Leu Lys Gly Tyr Tyr Ile
35 40 45
Arg Asp Ser Gly Asn Asn Ser Gly Asp Gln Ala Thr Glu
50 55 60

<210> 5622
 <211> 438
 <212> PRT
 <213> Homo sapiens

<400> 5622

Met Val Leu Ile Lys Glu Phe Arg Val Val Leu Pro Cys Ser Val Gln
 1 5 10 15
 Glu Tyr Gln Val Gly Gln Leu Tyr Ser Val Ala Glu Ala Ser Lys Asn
 20 25 30
 Glu Thr Gly Gly Gly Glu Gly Ile Glu Val Leu Lys Asn Glu Pro Tyr
 35 40 45
 Glu Lys Asp Gly Glu Lys Gly Gln Tyr Thr His Lys Ile Tyr His Leu
 50 55 60
 Lys Ser Lys Val Pro Ala Phe Val Arg Met Ile Ala Pro Glu Gly Ser
 65 70 75 80
 Leu Val Phe His Glu Lys Ala Trp Asn Ala Tyr Pro Tyr Cys Arg Thr
 85 90 95
 Ile Val Thr Asn Glu Tyr Met Lys Asp Asp Phe Phe Ile Lys Ile Glu
 100 105 110
 Thr Trp His Lys Pro Asp Leu Gly Thr Leu Glu Asn Val His Gly Leu
 115 120 125
 Asp Pro Asn Thr Trp Lys Thr Val Glu Ile Val His Ile Asp Ile Ala
 130 135 140
 Asp Arg
 145

<210> 5623

<211> 207

<212> PRT

<213> Homo sapiens

<400> 5623

Met Ala Glu Leu Ile Gln Lys Lys Leu Gln Gly Glu Val Glu Lys Tyr
 1 5 10 15
 Gln Gln Leu Gln Lys Asp Leu Ser Lys Ser Met Ser Gly Arg Gln Lys
 20 25 30
 Leu Glu Ala Gln Leu Thr Glu Asn Asn Ile Val Lys Glu Glu Leu Ala
 35 40 45
 Leu Leu Asp Gly Ser Asn Val Val Phe Lys Leu Leu Gly Pro Val Leu
 50 55 60
 Val Lys Gln Glu Leu
 65

<210> 5624

<211> 231

<212> PRT

<213> Homo sapiens

<400> 5624

Met Ala Ala Pro Cys Leu Leu Arg Gln Gly Arg Ala Gly Ala Leu Lys
 1 5 10 15
 Thr Met Leu Gln Glu Ala Gln Val Phe Arg Gly Leu Ala Ser Thr Val
 20 25 30
 Xaa Xaa Xaa Ala Glu Ser Gly Lys Ser Glu Lys Gly Gln Pro Xaa Asn
 35 40 45
 Ser Lys Lys Gln Ser Pro Pro Lys Lys Pro Ala Pro Val Pro Ala Glu
 50 55 60

Pro Phe Asp Asn Thr Thr Tyr Lys Asn Leu Gln His His
65 70 75

<210> 5625
<211> 249
<212> PRT
<213> Homo sapiens

<400> 5625
Met Ala Asn Val Leu Cys Asn Arg Ala Arg Leu Val Ser Tyr Leu Pro
1 5 10 15
Gly Phe Cys Ser Leu Val Lys Arg Val Val Asn Pro Lys Ala Phe Ser
20 25 30
Thr Ala Gly Ser Ser Gly Ser Asp Glu Ser His Val Ala Ala Ala Pro
35 40 45
Pro Asp Ile Cys Ser Arg Thr Val Trp Pro Asp Glu Thr Met Gly Pro
50 55 60
Phe Gly Pro Gln Asp Gln Arg Phe Gln Leu Pro Gly Asn Ile Gly Phe
65 70 75 80
Asp Cys His

<210> 5626
<211> 162
<212> PRT
<213> Homo sapiens

<400> 5626
Met Tyr Ser Tyr Met Thr Glu Glu Lys Thr Trp Arg Arg Gly Gly Ser
1 5 10 15
Ser Cys Asp Arg Gly Gly Arg Glu Trp Ser Asn Val Ile Ile Asn Gln
20 25 30
Gly Met Leu Thr Ala Thr Lys Ala Gly Glu Gly Gln Gly Gln Ile Phe
35 40 45
Asn Pro Pro Val Glu Val
50

<210> 5627
<211> 180
<212> PRT
<213> Homo sapiens

<400> 5627
Met Ala Gln Glu Ser Pro Lys Asn Ser Ala Ala Glu Ile Pro Val Thr
1 5 10 15
Ser Asn Gly Glu Val Asp Asp Ser Arg Glu His Ser Phe Asn Arg Asp
20 25 30
Leu Lys His Ser Leu Pro Ser Gly Leu Gly Leu Ser Glu Thr Gln Ile
35 40 45
Thr Ser His Gly Phe Asp Asn Thr Lys Glu Gly Val
50 55 60

<210> 5628
<211> 180
<212> PRT

<213> Homo sapiens

<400> 5628

Met Ser Gly Thr Leu Glu Lys Val Leu Cys Leu Arg Asn Asn Thr Ile
1 5 10 15
Phe Lys Gln Ala Phe Ser Leu Leu Arg Phe Arg Thr Ser Gly Glu Lys
20 25 30
Pro Ile Tyr Ser Val Gly Gly Ile Leu Leu Ser Ile Ser Arg Pro Tyr
35 40 45
Lys Thr Lys Pro Thr His Gly Ile Gly Lys Tyr Lys
50 55 60

<210> 5629

<211> 168

<212> PRT

<213> Homo sapiens

<400> 5629

Met Met Glu Gln Arg Ser Arg Asp Pro Gly Met Val Arg Ser Pro Gln
1 5 10 15
Asn Gln Tyr Pro Ala Glu Leu Met Arg Arg Phe Glu Leu Tyr Phe Gln
20 25 30
Gly Pro Ser Ser Asn Lys Pro Arg Val Ile Arg Glu Val Arg Ala Asp
35 40 45
Ser Val Gly Lys Leu Val Thr Val
50 55

<210> 5630

<211> 366

<212> PRT

<213> Homo sapiens

<400> 5630

Met Tyr His Asn Ser Ser Gln Lys Arg His Trp Thr Phe Ser Ser Glu
1 5 10 15
Glu Gln Leu Ala Arg Leu Arg Ala Asp Ala Asn Arg Lys Phe Arg Cys
20 25 30
Lys Ala Val Ala Asn Gly Lys Val Leu Pro Asn Asp Pro Val Phe Leu
35 40 45
Glu Pro His Glu Glu Met Thr Leu Cys Lys Tyr Tyr Glu Lys Arg Leu
50 55 60
Leu Glu Phe Cys Ser Val Phe Lys Pro Ala Met Pro Arg Ser Val Val
65 70 75 80
Gly Thr Ala Cys Tyr Phe Lys Arg Phe Tyr Leu Asn Asn Ser Val Met
85 90 95
Glu Tyr His Pro Arg Ile Ile Met Leu Thr Cys Ala Phe Leu Ala Cys
100 105 110
Lys Val Asp Glu Phe Asn Val Ser Ser Pro
115 120

<210> 5631

<211> 297

<212> PRT

<213> Homo sapiens

<400> 5631

Met Ala Val Gln Val Val Gln Ala Val Gln Ala Val His Leu Glu Ser
 1 5 10 15
 Asp Ala Phe Leu Val Cys Leu Asn His Ala Leu Ser Thr Glu Lys Glu
 20 25 30
 Glu Val Met Gly Leu Cys Ile Gly Glu Leu Asn Asp Asp Thr Arg Ser
 35 40 45
 Asp Ser Lys Phe Ala Tyr Thr Gly Thr Glu Met Arg Thr Val Ala Glu
 50 55 60
 Lys Val Asp Ala Val Arg Ile Val His Ile His Ser Val Ile Ile Leu
 65 70 75 80
 Arg Arg Ser Asp Lys Arg Lys Asp Arg Val Glu Ile Ser Pro Glu Gln
 85 90 95
 Leu Ser Ala

<210> 5632

<211> 192

<212> PRT

<213> Homo sapiens

<400> 5632

Met Lys Tyr Val Leu Leu Xaa Xaa Pro Xaa Ser Leu Xaa Lys Val Leu
 1 5 10 15
 Cys Ile Arg Val Lys Asp Tyr Ile Leu Pro Gly Ala Lys His Gly Ala
 20 25 30
 Ser Cys Lys Gln Ala Ala Phe Leu Leu Gly Glu Thr Asp Asn Leu Lys
 35 40 45
 Gly Leu Leu Cys Gln Lys His Ser Gln Leu His His Gln Pro Phe Pro
 50 55 60

<210> 5633

<211> 342

<212> PRT

<213> Homo sapiens

<400> 5633

Met Ala Ser Phe Gly Trp Lys Arg Lys Ile Gly Glu Lys Val Ser Lys
 1 5 10 15
 Val Thr Ser Gln Gln Phe Glu Ala Glu Ala Ala Asp Glu Lys Asp Val
 20 25 30
 Val Asp Asn Asp Glu Gly Asn Trp Leu His Ala Ile Lys Arg Arg Lys
 35 40 45
 Glu Ile Leu Leu Glu Gly Cys Ala Glu Lys Ser Lys Gln Leu Lys Asp
 50 55 60
 Glu Gly Ala Ser Leu Ala Glu Asn Lys Arg Tyr Arg Glu Ala Ile Gln
 65 70 75 80
 Lys Trp Asp Glu Ala Leu Gln Leu Thr Pro Asn Asp Ala Thr Leu Tyr
 85 90 95
 Glu Met Lys Ser Gln Val Leu Met Ser Leu His Glu Met Phe Pro Ser
 100 105 110
 Ser Thr

<210> 5634

<211> 363
 <212> PRT
 <213> Homo sapiens

<400> 5634
 Met Asp Ser Lys Tyr Gln Cys Val Lys Leu Asn Asp Gly His Phe Met
 1 5 10 15
 Pro Val Leu Gly Phe Gly Thr Tyr Ala Pro Ala Glu Val Pro Lys Ser
 20 25 30
 Lys Ala Leu Glu Ala Thr Lys Leu Ala Ile Glu Ala Gly Phe Arg His
 35 40 45
 Ile Asp Ser Ala His Leu Tyr Asn Asn Glu Glu Gln Val Gly Leu Ala
 50 55 60
 Ile Arg Ser Lys Ile Ala Asp Gly Ser Val Lys Arg Glu Asp Ile Phe
 65 70 75 80
 Tyr Thr Ser Lys Leu Trp Cys Asn Ser His Arg Pro Glu Leu Val Arg
 85 90 95
 Pro Ala Leu Glu Arg Ser Leu Xaa Asn Leu Gln Leu Asp Tyr Val Asp
 100 105 110
 Leu Tyr Leu Xaa His Phe Pro Val Ser
 115 120

<210> 5635
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5635
 Met Ser Thr Ala Gly Lys Val Ile Lys Cys Lys Ala Ala Val Leu Trp
 1 5 10 15
 Glu Val Lys Lys Pro Phe Ser Ile Glu Asp Val Glu Val Ala Pro Pro
 20 25 30
 Lys Ala Tyr Glu Val Arg Ile Lys Met Val Ala Val Gly Ile Cys Arg
 35 40 45
 Thr Asp Asp His Xaa Val Ser Gly Asn Leu Val Thr Pro Leu Pro Val
 50 55 60
 Ile Leu Gly His Glu Ala Ala Gly Ile Val Glu Ser Val Gly Glu Gly
 65 70 75 80
 Val Thr Thr Val Lys Pro Gly Thr Gly Phe Thr Leu Arg Glu His Val
 85 90 95
 Trp Phe Thr Ile Gln Asp Phe Pro Ala
 100 105

<210> 5636
 <211> 444
 <212> PRT
 <213> Homo sapiens

<400> 5636
 Met Asp Gln Glu Thr Val Gly Asn Val Val Leu Leu Ala Ile Val Thr
 1 5 10 15
 Leu Ile Ser Val Val Gln Asn Gly Phe Phe Ala His Lys Val Glu His
 20 25 30
 Glu Ser Arg Thr Gln Asn Gly Arg Ser Phe Gln Arg Thr Gly Thr Leu

35 40 45
 Ala Phe Glu Arg Val Tyr Thr Ala Asn Gln Asn Cys Val Asp Ala Tyr
 50 55 60
 Pro Thr Phe Leu Ala Val Leu Trp Ser Ala Gly Leu Leu Cys Ser Gln
 65 70 75 80
 Val Pro Ala Ala Phe Ala Gly Leu Met Tyr Leu Phe Val Arg Gln Lys
 85 90 95
 Tyr Phe Val Gly Tyr Leu Gly Glu Arg Thr Gln Ser Thr Pro Gly Tyr
 100 105 110
 Ile Phe Gly Lys Arg Ile Ile Leu Phe Leu Phe Leu Met Ser Val Ala
 115 120 125
 Gly Ile Phe Asn Tyr Xaa Xaa Ile Phe Phe Phe Gly Ser Asp Phe Glu
 130 135 140
 Asn Tyr Ile Lys
 145

<210> 5637
 <211> 423
 <212> PRT
 <213> Homo sapiens

<400> 5637
 Met Glu Thr Ser Ala Pro Arg Ala Gly Ser Gln Val Val Ala Thr Thr
 1 5 10 15
 Ala Arg His Ser Ala Ala Tyr Arg Ala Asp Pro Leu Arg Val Ser Ser
 20 25 30
 Arg Asp Lys Leu Thr Glu Met Ala Ala Ser Ser Gln Gly Asn Phe Glu
 35 40 45
 Gly Asn Phe Glu Ser Leu Asp Leu Ala Glu Phe Ala Lys Lys Gln Pro
 50 55 60
 Trp Trp Arg Xaa Cys Ser Gly Arg Asn Leu Asp Leu Gln Gln Lys Ser
 65 70 75 80
 Ile Ala Trp Gln Pro Ser Cys Ser Leu Glu Val Ser Leu Asp Gly Ala
 85 90 95
 Gln Val Ser Tyr Ser Arg Arg Leu Glu Ser Trp Leu Gln Gln Leu Trp
 100 105 110
 Glu Val Asp Phe Phe Ser Phe Arg Ser Val Cys Glu Met Phe Ser Asp
 115 120 125
 Val Trp Lys Phe His Leu Pro Ile Lys Glu Cys Gly Val
 130 135 140

<210> 5638
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 5638
 Met Ile Gly Ser Phe Leu Arg Pro Pro Gln Pro Cys Gly Thr Asp Asn
 1 5 10 15
 Leu Pro Xaa Asp Asp Phe Gln Glu Ser Xaa Ala Met Met Trp Gln Lys
 20 25 30
 Tyr Ala Gly Ser Arg Arg Ser Met Pro Leu Gly Ala Arg Ile Leu Phe
 35 40 45
 His Gly Val Phe Tyr Ala Gly Gly Phe Ala Ile Val Tyr Tyr Leu Ile

50 55 60
 Gln Lys Phe His Ser Arg Ala Leu Tyr Tyr Lys Leu Ala Val Glu Gln
 65 70 75 80
 Leu Gln Ser His Pro Glu Ala Gln Glu Ala Leu
 85 90

<210> 5639
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 5639
 Met Ser Glu Arg Lys Val Leu Asn Lys Tyr Tyr Pro Pro Asp Phe Asp
 1 5 10 15
 Pro Ser Lys Ile Pro Lys Leu Lys Leu Pro Lys Asp Arg Gln Tyr Val
 20 25 30
 Val Arg Leu Met Ala Pro Phe Asn Met Arg Cys Lys Thr Cys Gly Glu
 35 40 45
 Tyr Ile Tyr Lys Gly Lys Lys Phe Asn Ala Arg Lys Glu Thr Val Gln
 50 55 60
 Asn Glu Val Tyr Leu Gly Leu Pro Ile Phe Arg Phe Tyr Ile Lys Cys
 65 70 75 80
 Thr Arg Cys Leu Ala Glu Ile Thr Phe Lys Thr
 85 90

<210> 5640
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 5640
 Met Glu Pro Glu Gln Met Leu Glu Gly Gln Thr Gln Val Ala Glu Asn
 1 5 10 15
 Pro His Ser Glu Tyr Gly Leu Thr Asp Asn Val Glu Arg Ile Val Glu
 20 25 30
 Asn Glu Lys Ile Asn Ala Glu Lys Ser Ser Lys Gln Lys Val Asp Leu
 35 40 45
 Gln Ser Leu Pro Thr Arg Ala Tyr Leu Asp Gln Thr Val Xaa Pro Ile
 50 55 60
 Leu Leu Gln Gly Leu Ala Val Ala Cys
 65 70

<210> 5641
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5641
 Met Pro Asp His Gly Gly Phe Val Trp Gly Leu Thr Phe Val Thr Ile
 1 5 10 15
 Lys Ile Ile Ser Gln Glu Val Gln Leu Leu Gln Val Gly Lys Arg Glu
 20 25 30
 Asn Pro Thr Ile Gln Leu His Leu Leu Ser Ile Phe His Ile Lys Met
 35 40 45

Met Phe Ala Thr Leu Leu Ile Thr Ile His Ile Arg Ile Gln Leu Tyr
 50 55 60
 Arg Cys Ile Phe Lys Asn Trp Asn Gln His Thr Ile Leu Ser Lys Ser
 65 70 75 80
 Ile Phe Gly Lys Met Cys Tyr Val Lys Pro Cys Leu Glu Gln Leu Pro
 85 90 95
 Leu Gly Asp Tyr Asn Ser Asn Ala
 100

<210> 5642
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 5642
 Met Thr Leu Leu Glu Pro Glu Met Leu Met Met Xaa Val Gln Ser Val
 1 5 10 15
 Leu Gln Leu Lys Leu Gln Gln Arg Arg Thr Arg Glu Glu Leu Val Ser
 20 25 30
 Gln Gly Ile Met Pro Pro Leu Lys Ser Pro Ala Ala Phe His Glu Gln
 35 40 45
 Arg Arg Ser Leu Glu Arg Ala Arg Thr Glu Asp Tyr Leu Lys Arg Lys
 50 55 60
 Ile Arg Ser Arg Pro Glu Arg Ser Glu Leu Val Arg Met His Ile Leu
 65 70 75 80
 Glu Glu Thr Ser Ala Glu Pro Ser Leu Gln Ala Lys Gln Leu Lys Leu
 85 90 95
 Lys Arg Ala Arg Leu Ala Xaa Asp Leu Asn Glu Lys Ile Ala Gln Arg
 100 105 110
 Pro Xaa Xaa Xaa Glu Leu Val Glu Lys Asn Ile Leu Pro Val Glu Ser
 115 120 125
 Ser

<210> 5643
 <211> 267
 <212> PRT
 <213> Homo sapiens

<400> 5643
 Met Glu Ala Val Ala Thr Ala Thr Ala Ala Lys Glu Pro Asp Lys Gly
 1 5 10 15
 Cys Ile Glu Pro Gly Pro Gly His Trp Gly Glu Leu Ser Arg Thr Pro
 20 25 30
 Val Pro Ser Lys Pro Gln Asp Lys Val Glu Ala Ala Glu Ala Thr Pro
 35 40 45
 Val Ala Leu Asp Ser Asp Thr Ser Gly Ala Glu Asn Ala Ala Val Ser
 50 55 60
 Ala Met Leu His Ala Val Ala Ala Ser Arg Leu Pro Val Cys Ser Gln
 65 70 75 80
 Gln Gln Gly Glu Pro Asp Leu Thr Glu
 85

<210> 5644
 <211> 234

<212> PRT
 <213> Homo sapiens

<400> 5644

Met	Gly	Glu	Glu	Ala	Thr	Ser	Arg	Thr	Leu	Xaa	Ser	Asp	Ser	Val	Xaa
1				5					10					15	
Xaa	Xaa	Asp	Arg	Ser	Asp	Ser	Arg	Ala	Ala	Gln	Pro	Ala	His	Asp	Ser
		20					25						30		
Gly	His	Gly	Asp	Asp	Glu	Ser	Pro	Ser	Thr	Ser	Ser	Gly	Thr	Ala	Gly
	35					40						45			
Thr	Ser	Ser	Val	Pro	Glu	Leu	Pro	Gly	Phe	Tyr	Phe	Asp	Pro	Glu	Lys
	50					55					60				
Lys	Arg	Tyr	Phe	Arg	Leu	Leu	Pro	Gly	His	Asn	Asn	Cys	Asn		
65					70					75					

<210> 5645

<211> 168

<212> PRT

<213> Homo sapiens

<400> 5645

Met	Asp	Trp	Leu	Asn	Val	Phe	Lys	Asp	Phe	Phe	Ser	Ile	Gly	Lys	Val
1				5					10					15	
Lys	Arg	Lys	Pro	Ser	Val	Pro	Asp	Ser	Ala	Ser	Pro	Ala	Asp	Asp	Ser
		20					25						30		
Phe	Val	Asp	Pro	Gly	Glu	Arg	Leu	Tyr	Asp	Leu	Asn	Met	Pro	Ala	Tyr
	35					40						45			
Val	Lys	Phe	Asn	Tyr	Met	Ala	Asp								
	50					55									

<210> 5646

<211> 396

<212> PRT

<213> Homo sapiens

<400> 5646

Met	Gln	Asn	Asp	Thr	Ala	Xaa	Asn	Glu	Thr	Thr	Glu	Lys	Glu	Xaa	Lys
1				5					10					15	
Ser	Glu	Ser	Arg	Gln	Glu	Arg	Tyr	Glu	Ile	Glu	Xaa	Xaa	Glu	Thr	Val
		20					25						30		
Thr	Lys	Ser	Tyr	Gln	Lys	Asn	Asp	Trp	Arg	Asp	Ala	Glu	Glu	Asn	Lys
	35					40						45			
Lys	Glu	Asp	Lys	Glu	Lys	Glu	Glu	Glu	Glu	Glu	Glu	Lys	Pro	Lys	Arg
	50					55					60				
Gly	Ser	Ile	Gly	Glu	Asn	Gln	Val	Glu	Val	Met	Val	Glu	Glu	Lys	Thr
65					70				75						80
Thr	Glu	Ser	Gln	Glu	Glu	Thr	Val	Val	Met	Ser	Leu	Lys	Asn	Gly	Gln
			85					90						95	
Ile	Ser	Ser	Glu	Glu	Pro	Lys	Gln	Glu	Glu	Glu	Arg	Glu	Gln	Gly	Ser
			100					105					110		
Asp	Glu	Ile	Ser	His	His	Glu	Lys	Met	Glu	Glu	Glu	Asp	Lys	Glu	Arg
		115					120					125			
Ala	Glu	Ala	Glu												
	130														

<210> 5647
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5647
 Met Ser Asp Lys Ser Glu Leu Lys Ala Glu Leu Glu Arg Lys Lys Gln
 1 5 10 15
 Arg Leu Ala Gln Ile Arg Glu Glu Lys Lys Arg Lys Glu Glu Glu Arg
 20 25 30
 Lys Lys Lys Glu Thr Asp Gln Lys Lys Glu Ala Val Ala Pro Val Gln
 35 40 45
 Glu Glu Ser Asp Leu Glu Lys Lys Arg Arg Glu Ala Glu Ala Leu Leu
 50 55 60
 Gln Ser Met Gly Leu Thr Pro Glu Ser Pro Ile Val Pro Pro Pro Met
 65 70 75 80
 Ser Pro Ser Ser Lys Ser Val Ser Thr Pro Ser Glu Ala Gly Ser Lys
 85 90 95
 Thr Leu Glu Met Ala Pro Trp Asp Leu Asp
 100 105

<210> 5648
 <211> 498
 <212> PRT
 <213> Homo sapiens

<400> 5648
 Met Thr Leu Tyr Ser Tyr Gly Met Leu Leu Pro Cys Gly Val Asp Gln
 1 5 10 15
 Phe His Gly Thr Glu Tyr Val Cys Cys Pro Gln Thr Lys Ile Ile Gly
 20 25 30
 Ser Val Ser Lys Glu Glu Glu Glu Asp Glu Glu Glu Glu Glu
 35 40 45
 Glu Asp Glu Glu Glu Asp Tyr Asp Val Tyr Lys Ser Glu Phe Pro Thr
 50 55 60
 Glu Ala Asp Leu Glu Asp Phe Thr Glu Ala Ala Val Asp Glu Asp Asp
 65 70 75 80
 Glu Asp Glu Glu Glu Gly Glu Glu Val Val Glu Xaa Arg Xaa Tyr Tyr
 85 90 95
 Tyr Asp Thr Phe Lys Gly Asp Asp Tyr Asn Glu Glu Asn Pro Thr Glu
 100 105 110
 Pro Gly Ser Asp Gly Thr Met Ser Asp Lys Glu Ile Thr Xaa Asp Val
 115 120 125
 Lys Ala Val Cys Ser Gln Glu Ala Met Thr Gly Pro Cys Arg Ala Val
 130 135 140
 Met Pro Arg Trp Tyr Phe Asp Leu Ser Lys Gly Lys Cys Val Arg Phe
 145 150 155 160
 Ile Tyr Gly Gly Cys Gly
 165

<210> 5649
 <211> 198
 <212> PRT

<213> Homo sapiens

<400> 5649

Met Thr Gln Pro Pro Ala Ser Thr Ser Gly Ile Met Gly Thr Leu Ser
1 5 10 15
Ser Trp Asn Leu Lys Ile Leu Gln Ile Asn Gln Leu His Leu Val His
20 25 30
Trp Asn Ala Val Lys Phe Glu Asn Phe Glu Asp Ala Ala Leu Glu Glu
35 40 45
Asn Gly Leu Ala Val Ile Gly Val Phe Leu Lys Xaa Asn Ser Gln Ser
50 55 60
Pro Leu
65

<210> 5650

<211> 390

<212> PRT

<213> Homo sapiens

<400> 5650

Met Gln Leu Phe Val Arg Ala Gln Glu Leu His Thr Phe Glu Val Thr
1 5 10 15
Gly Gln Glu Thr Val Ala Gln Ile Lys Ala His Val Ala Ser Leu Glu
20 25 30
Gly Ile Ala Pro Glu Asp Gln Val Val Leu Leu Ala Gly Ala Pro Leu
35 40 45
Glu Asp Glu Ala Thr Leu Gly Gln Cys Gly Val Glu Ala Leu Thr Thr
50 55 60
Leu Glu Val Ala Gly Arg Met Leu Gly Gly Lys Val His Gly Ser Leu
65 70 75 80
Ala Arg Ala Gly Lys Val Arg Gly Gln Thr Pro Lys Val Ala Lys Gln
85 90 95
Glu Lys Lys Lys Lys Lys Thr Gly Arg Ala Xaa Arg Arg Met Gln Tyr
100 105 110
Asn Arg Arg Phe Val Asn Val Val Pro Pro Leu Ala Arg Arg Arg Ala
115 120 125
Gln Cys
130

<210> 5651

<211> 285

<212> PRT

<213> Homo sapiens

<400> 5651

Met Pro Val Lys Gly Gly Thr Lys Cys Ile Lys Tyr Leu Leu Phe Gly
1 5 10 15
Phe Asn Phe Ile Phe Trp Leu Ala Gly Ile Ala Val Leu Ala Ile Gly
20 25 30
Leu Trp Leu Arg Phe Asp Ser Gln Thr Lys Ser Ile Phe Glu Gln Glu
35 40 45
Thr Asn Asn Asn Asn Ser Ser Phe Tyr Thr Gly Val Tyr Ile Leu Ile
50 55 60
Gly Ala Gly Ala Leu Met Met Leu Val Gly Phe Leu Gly Cys Cys Gly

SECRET

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<400> 5652
Met Ala Val Thr Gly Trp Leu Glu Ser Leu Arg Thr Ala Gln Lys Thr
1          5          10          15
Ala Leu Leu Gln Asp Gly Arg Arg Lys Val His Tyr Leu Phe Pro Asp
20          25          30
Gly Lys Glu Met Ala Glu Xaa Tyr Asp Glu Lys Thr Ser Glu Leu Leu
35          40          45
Val Arg Lys Trp Arg Val Lys Ser Ala Leu Gly Ala Met Gly Gln Trp
50          55          60
Gln Leu Glu Val Gly Asp Pro Ala Pro Leu Gly Ala Gly Asn Leu Gly
65          70          75          80
Pro Glu Leu Ile Lys Glu Ser Asn Ala Asn Pro Ile Phe Met Arg Lys
85          90          95
Asp Thr Lys Met Ser Phe Gln Trp Arg Ile Arg Asn Leu Pro Tyr Pro
100          105          110
Lys Asp Val Tyr Ser Val Ser Val Asp Gln Lys Glu Arg Cys Ile Ile
115          120          125
Val Arg Thr Thr Asn Lys Lys Tyr Tyr Lys Lys Phe Ser Ile Pro Asp
130          135          140
Leu Asp Arg His
145

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<210> 5653
<211> 483
<212> PRT
<213> Homo sapiens
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3228

130 135 140
 Thr Lys Ala Val Asn Phe Ala Met His Glu Leu Gln Leu Ile Arg Val
 145 150 155 160
 Glu

<210> 5654
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 5654
 Met Gly Asp Thr Ser Glu Asp Ala Ser Ile His Arg Leu Glu Gly Thr
 1 5 10 15
 Asp Leu Asp Cys Gln Val Gly Gly Leu Ile Cys Lys Ser Lys Ser Ala
 20 25 30
 Ala Ser Glu Gln His Val Phe Lys Ala Pro Ala Pro Arg Pro Ser Leu
 35 40 45
 Leu Gly Leu Asp Leu Leu Ala Ser Leu Lys Arg Arg Glu Arg Glu Glu
 50 55 60
 Lys Asp Asp Gly Glu Asp Lys Lys Lys Ser Lys Val Ser Ser Tyr Lys
 65 70 75 80
 Asp Trp Glu Glu Ser Lys Asp Asp
 85

<210> 5655
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5655
 Met Ala Ala Met Ala Val Gly Gly Ala Gly Gly Ser Arg Val Ser Ser
 1 5 10 15
 Gly Arg Asp Leu Asn Cys Val Pro Glu Ile Ala Asp Thr Leu Gly Ala
 20 25 30
 Val Ala Lys Gln Gly Phe Asp Phe Leu Cys Xaa Pro Val Phe His Pro
 35 40 45
 Arg Phe Lys Arg Glu Phe Ile Gln Glu Pro Ala Lys Asn Arg Pro Gly
 50 55 60
 Pro Gln Thr Arg Ser Asp Leu Leu Leu Ser Gly Arg Asp Trp Asn Thr
 65 70 75 80
 Leu Ile Val Gly Lys Leu Ser Pro Trp Ile Arg Pro Asp Ser Lys Val
 85 90 95
 Glu Lys Ile Arg Arg Asn Ser Glu Ala
 100 105

<210> 5656
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5656
 Met Ala Leu Ser Thr Ile Val Ser Gln Arg Lys Gln Ile Lys Arg Lys
 1 5 10 15
 Ala Pro Arg Gly Phe Leu Lys Arg Val Phe Lys Arg Lys Lys Pro Gln

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20 25 30
 Leu Arg Leu Glu Lys Ser Gly Asp Leu Leu Val His Leu Asn Cys Leu
 35 40 45
 Leu Phe Val His Arg Leu Ala Glu Glu Ser Arg Thr Asn Ala Cys Ala
 50 55 60
 Ser Xaa Cys Arg Val Ile Asn Lys Glu His Val Leu
 65 70 75

<210> 5657
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 5657
 Met Val Arg Thr Lys Ala Asp Ser Val Pro Gly Thr Tyr Arg Lys Val
 1 5 10 15
 Val Ala Ala Arg Ala Pro Arg Lys Val Leu Gly Ser Ser Thr Ser Ala
 20 25 30
 Thr Asn Ser Thr Ser Val Ser Ser Arg Lys Ala Glu Asn Lys Tyr Ala
 35 40 45
 Gly Gly Asn Pro Val Cys Val Arg Pro Thr Pro Lys Trp
 50 55 60

<210> 5658
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5658
 Met Asn Leu Leu Pro Lys Ser Ser Arg Glu Phe Gly Ser Val Asp Tyr
 1 5 10 15
 Trp Glu Lys Phe Phe Gln Gln Arg Gly Lys Lys Ala Phe Glu Trp Tyr
 20 25 30
 Gly Pro Thr Trp Asn Xaa Ala Gly Cys Tyr Ile Asn Ile Ser Ser Gln
 35 40 45
 Gly Lys Xaa Ala Gly Asp Trp Val Trp His Ser Glu
 50 55 60

<210> 5659
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 5659
 Met Ser His Leu Pro Met Lys Leu Leu Arg Lys Lys Ile Glu Lys Arg
 1 5 10 15
 Asn Leu Lys Leu Arg Gln Arg Asn Leu Lys Phe Gln Gly Ala Ser Asn
 20 25 30
 Leu Thr Leu Ser Glu Thr Gln Asn Gly Asp Val Ser Glu Glu Thr Met
 35 40 45
 Xaa Ser Arg Lys Val Lys Lys Ser Lys Gln Lys Pro Met Asn Val Gly
 50 55 60
 Leu Ser Glu Thr Gln Asn Gly Gly Met Ser Gln Glu Ala Val Gly Asn
 65 70 75 80

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35 40 45
Lys Leu Thr Ser Glu Leu Leu Gly Glu Gly Ala Tyr Ala Lys Val Gln
50 55 60
Gly Ala Val Ser Leu Gln Asn Gly Lys Glu Tyr
65 70 75

<210> 5663
<211> 405
<212> PRT
<213> Homo sapiens

<400> 5663
Met Tyr Val Ile Asp Gln Tyr Met Leu His Leu Leu Gln Asp Leu Ala
1 5 10 15
Asn Lys Ile Thr Glu Leu Tyr Lys Gln Tyr Asp Phe Gly Lys Val Val
20 25 30
Arg Leu Leu Arg Thr Phe Tyr Thr Arg Glu Leu Ser Asn Phe Tyr Phe
35 40 45
Ser Ile Ile Lys Asp Arg Leu Tyr Cys Glu Lys Glu Asn Asp Pro Lys
50 55 60
Arg Arg Ser Cys Gln Thr Ala Leu Val Glu Ile Leu Asp Val Ile Val
65 70 75 80
Arg Ser Phe Ala Pro Ile Leu Pro His Leu Ala Glu Glu Val Phe Gln
85 90 95
His Ile Pro Tyr Ile Xaa Glu Pro Xaa Ser Val Phe Arg Thr Gly Arg
100 105 110
Ile Ser Thr Ser Ser Ile Trp Glu Lys Pro Gly Leu Glu Glu Ala Val
115 120 125
Glu Ser Ala Cys Ala Met Arg
130 135

<210> 5664
<211> 348
<212> PRT
<213> Homo sapiens

<400> 5664
Met Ser Phe Leu Lys Ser Phe Pro Pro Pro Gly Pro Ala Glu Gly Leu
1 5 10 15
Leu Arg Gln Gln Pro Asp Thr Glu Ala Val Leu Asn Gly Lys Gly Leu
20 25 30
Gly Thr Gly Thr Leu Tyr Ile Ala Glu Ser Arg Leu Ser Trp Leu Asp
35 40 45
Gly Ser Gly Leu Gly Phe Ser Leu Glu Tyr Pro Thr Ile Ser Leu His
50 55 60
Ala Leu Ser Arg Asp Arg Ser Asp Cys Leu Gly Glu His Leu Tyr Val
65 70 75 80
Met Val Asn Ala Lys Phe Glu Glu Glu Ser Lys Glu Pro Val Ala Asp
85 90 95
Glu Glu Glu Glu Asp Ser Asp Asp Asp Val Glu Pro Ile Thr Glu Phe
100 105 110
Arg Phe Val Pro
115

<210> 5665
 <211> 252
 <212> PRT
 <213> Homo sapiens

<400> 5665
 Met Glu Leu Thr Gln Pro Ala Glu Asp Leu Ile Gln Thr Gln Gln Thr
 1 5 10 15
 Pro Ala Ser Glu Leu Gly Asp Pro Glu Asp Pro Gly Glu Glu Ala Ala
 20 25 30
 Asp Gly Ser Asp Thr Val Val Leu Ser Leu Phe Pro Cys Thr Pro Glu
 35 40 45
 Pro Val Asn Pro Glu Pro Asp Ala Ser Val Ser Ser Pro Gln Gly Ser
 50 55 60
 Ser Leu Lys His Ser Thr Thr Leu Thr Asn Arg Gln Arg Gly Asn Glu
 65 70 75 80
 Val Ser Ala Leu

<210> 5666
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 5666
 Met Val Lys Pro Lys Tyr Lys Gly Arg Ser Thr Ile Asn Pro Ser Lys
 1 5 10 15
 Ala Ser Thr Asn Pro Asp Arg Val Gln Gly Ala Gly Gly Gln Asn Met
 20 25 30
 Arg Asp Arg Ala Thr Ile Arg Arg Leu Asn Met Tyr Arg Gln Lys Glu
 35 40 45
 Arg Arg Asn Ser Arg Gly Lys Ile Ile Lys Pro
 50 55

<210> 5667
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 5667
 Met Ser Ser Asn Glu Cys Phe Lys Cys Gly Arg Ser Gly His Trp Ala
 1 5 10 15
 Arg Glu Cys Pro Thr Gly Gly Gly Xaa Xaa Arg Gly Met Arg Ser Arg
 20 25 30
 Gly Arg Gly Phe Gln Phe Val Ser Ser Ser Leu Pro Asp Ile Cys Tyr
 35 40 45
 Arg Cys Gly Glu Ser Gly His Leu Ala Lys Asp Cys Asp Leu Gln Glu
 50 55 60
 Asp Xaa Lys Tyr Leu Thr Leu Pro Phe His Thr Pro Leu Glu Leu Gly
 65 70 75 80

<210> 5668
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 5668

Met Ser Ser Asn Glu Cys Phe Lys Cys Gly Arg Ser Gly His Trp Ala
1 5 10 15
Arg Glu Cys Pro Thr Gly Gly Gly Arg Xaa Arg Gly Met Arg Ser Arg
20 25 30
Gly Arg Gly Phe Gln Phe Val Ser Ser Ser Leu Pro Asp Ile Cys Tyr
35 40 45
Arg Cys Gly Glu Ser Gly His Leu Ala Lys Asp Cys Asp Leu Gln Glu
50 55 60
Asp Ala Ala Ile Thr Ala
65 70

<210> 5669

<211> 207

<212> PRT

<213> Homo sapiens

<400> 5669

Met His Val Ile Lys Arg Asp Gly Arg Gln Glu Arg Val Met Phe Asp
1 5 10 15
Lys Ile Thr Ser Arg Ile Gln Lys Leu Cys Tyr Gly Leu Asn Met Asp
20 25 30
Phe Val Asp Pro Ala Gln Ile Thr Met Lys Val Ile Gln Gly Leu Tyr
35 40 45
Ser Gly Val Thr Thr Val Glu Leu Asp Thr Leu Ala Ala Glu Thr Ala
50 55 60
Ala Thr Leu Thr Thr
65

<210> 5670

<211> 402

<212> PRT

<213> Homo sapiens

<400> 5670

Met Asp Arg Arg Asn Asp Tyr Gly Tyr Arg Val Xaa Leu Phe Gln Gly
1 5 10 15
Pro Leu Pro Pro Pro Gly Ser Leu Gly Leu Pro Phe Pro Pro Asp Ile
20 25 30
Gln Thr Glu Thr Thr Glu Glu Asp Ser Val Leu Leu Met His Thr Leu
35 40 45
Leu Ala Ala Thr Lys Asp Ser Leu Ala Met Asp Pro Pro Val Val Asn
50 55 60
Arg Pro Lys Xaa Xaa Lys Thr Lys Lys Ala Xaa Xaa Lys Thr Ile Thr
65 70 75 80
Xaa Ala Ala Pro Ala Ala Xaa Pro Val Pro Ala Ala Asn Glu Ile Ala
85 90 95
Thr Asn Lys Pro Lys Ile Thr Trp Gln Ala Leu Asn Leu Pro Val Ile
100 105 110
Thr Gln Ile Ser Gln Ala Leu Pro Thr Thr Glu Val Thr Asn Thr Gln
115 120 125
Ala Ser Ser Val Thr Ala
130

<210> 5671
 <211> 705
 <212> PRT
 <213> Homo sapiens

<400> 5671
 Met Asp Arg Arg Asn Asp Tyr Gly Tyr Arg Val Pro Leu Phe Gln Gly
 1 5 10 15
 Pro Leu Pro Pro Pro Gly Ser Leu Gly Leu Pro Phe Pro Pro Asp Ile
 20 25 30
 Gln Thr Glu Thr Thr Glu Glu Asp Ser Val Leu Leu Met His Thr Leu
 35 40 45
 Leu Ala Ala Thr Lys Asp Ser Leu Ala Met Asp Pro Pro Val Val Asn
 50 55 60
 Arg Pro Lys Lys Arg Xaa Lys Glu Arg Leu Gly Glu Ser Arg Arg Leu
 65 70 75 80
 Leu Asp Ser Arg Arg Arg Gly Pro Phe Pro Ser Gly Ser Pro Val Thr
 85 90 95
 Arg Pro Pro Arg Lys Met Asp Arg Arg Asn Asp Tyr Gly Tyr Arg Val
 100 105 110
 Xaa Leu Phe Gln Gly Pro Leu Pro Pro Pro Gly Ser Leu Gly Leu Pro
 115 120 125
 Phe Pro Pro Asp Ile Gln Thr Glu Thr Thr Glu Glu Asp Ser Val Leu
 130 135 140
 Leu Met His Thr Leu Leu Ala Ala Thr Lys Asp Ser Leu Ala Met Asp
 145 150 155 160
 Pro Pro Val Val Asn Arg Pro Lys Xaa Xaa Lys Thr Lys Lys Ala Xaa
 165 170 175
 Xaa Lys Thr Ile Thr Xaa Ala Ala Pro Ala Ala Xaa Pro Val Pro Ala
 180 185 190
 Ala Asn Glu Ile Ala Thr Asn Lys Pro Lys Ile Thr Trp Gln Ala Leu
 195 200 205
 Asn Leu Pro Val Ile Thr Gln Ile Ser Gln Ala Leu Pro Thr Thr Glu
 210 215 220
 Val Thr Asn Thr Gln Ala Ser Ser Val Thr Ala
 225 230 235

<210> 5672
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 5672
 Met Leu Thr Asn Leu Arg Ile Phe Ala Met Ser His Gln Thr Ile Pro
 1 5 10 15
 Ser Val Tyr Ile Asn Asn Ile Cys Cys Tyr Lys Ile Arg Ala Ser Leu
 20 25 30
 Lys Arg Leu Lys Pro His Val Pro Leu Gly Arg Asn Cys Ser Ser Leu
 35 40 45
 Pro Gly Leu Ile Gly Asn Asp Ile Lys Ser Leu His Ser Ile Ile Asn
 50 55 60
 Pro Pro Ile Ala Lys Ile Arg Asn Ile Gly Ile Met Ala His Ile Asp
 65 70 75 80

Ala Gly Lys Thr Thr
85

<210> 5673
<211> 354
<212> PRT
<213> Homo sapiens

<400> 5673
Met Asn Leu Glu Leu Leu Glu Ser Phe Gly Gln Asn Tyr Pro Glu Glu
1 5 10 15
Ala Asp Gly Thr Leu Asp Cys Ile Ser Met Ala Leu Thr Cys Thr Phe
20 25 30
Asn Arg Trp Gly Xaa Leu Leu Ala Val Gly Cys Asn Asp Gly Arg Ile
35 40 45
Val Ile Trp Asp Phe Leu Thr Arg Gly Ile Ala Lys Ile Ile Ser Ala
50 55 60
His Ile His Pro Val Cys Ser Leu Cys Trp Ser Arg Asp Gly His Lys
65 70 75 80
Leu Val Ser Ala Ser Thr Asp Asn Ile Val Ser Gln Trp Asp Val Leu
85 90 95
Ser Gly Asp Cys Xaa Gln Arg Phe Arg Phe Pro Ser Xaa Ile Leu Lys
100 105 110
Val Gln Tyr His Pro Arg
115

<210> 5674
<211> 192
<212> PRT
<213> Homo sapiens

<400> 5674
Met Glu Pro Glu Glu Gly Thr Pro Leu Trp Arg Leu Gln Lys Leu Pro
1 5 10 15
Ala Glu Leu Gly Pro Gln Leu Leu His Lys Ile Ile Asp Gly Ile Cys
20 25 30
Gly Arg Ala Tyr Pro Val Tyr Gln Asp Tyr His Thr Val Trp Glu Ser
35 40 45
Glu Glu Trp Met His Val Leu Glu Xaa Ile Ala Lys Phe Phe Lys Ala
50 55 60

<210> 5675
<211> 276
<212> PRT
<213> Homo sapiens

<400> 5675
Met Asp Ala Ala Thr Leu Thr Tyr Asp Thr Leu Arg Phe Ala Glu Phe
1 5 10 15
Glu Asp Phe Pro Glu Thr Ser Glu Pro Val Trp Ile Leu Gly Arg Lys
20 25 30
Tyr Ser Ile Phe Thr Glu Lys Asp Glu Ile Leu Ser Asp Val Ala Ser
35 40 45
Arg Leu Trp Phe Thr Tyr Arg Lys Asn Phe Pro Ala Ile Gly Gly Thr

50 55 60
 Gly Pro Thr Ser Asp Thr Gly Trp Gly Cys Met Leu Arg Cys Gly Gln
 65 70 75 80
 Met Ile Phe Ala Gln Ala Leu Val Cys Arg His Leu
 85 90

<210> 5676
 <211> 438
 <212> PRT
 <213> Homo sapiens

<400> 5676
 Met Ala Thr Gly Leu Ser Glu His His Asn Met Val Trp Glu Val Lys
 1 5 10 15
 Thr Asn Gln Met Pro Asn Ala Val Gln Lys Leu Leu Leu Val Met Asp
 20 25 30
 Lys Arg Ala Ser Gly Met Asn Asp Ser Leu Glu Leu Leu Gln Cys Asn
 35 40 45
 Glu Asn Leu Pro Ser Ser Pro Gly Tyr Asn Ser Cys Asp Glu His Met
 50 55 60
 Glu Leu Asp Asp Leu Pro Glu Leu Gln Ala Val Gln Ser Asp Pro Thr
 65 70 75 80
 Gln Ser Gly Met Tyr Gln Leu Ser Ser Asp Val Ser His Gln Glu Tyr
 85 90 95
 Pro Arg Ser Ser Trp Asn Gln Asn Thr Ser Asp Ile Pro Glu Thr Thr
 100 105 110
 Tyr Arg Glu Asn Glu Val Asp Trp Leu Thr Glu Leu Ala Asn Ile Ala
 115 120 125
 Thr Ser Pro Gln Ser Pro Leu Met Gln Cys Ser Phe Tyr Asn Arg Ser
 130 135 140
 Ser Pro
 145

<210> 5677
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5677
 Met Ala Ala Pro Pro Glu Pro Gly Glu Pro Glu Glu Arg Lys Ser Leu
 1 5 10 15
 Lys Leu Leu Gly Phe Leu Asp Val Glu Asn Thr Pro Cys Ala Arg His
 20 25 30
 Ser Ile Leu Tyr Gly Ser Leu Gly Ser Val Val Ala Gly Phe Gly His
 35 40 45
 Phe Leu Phe Thr Ser Arg Ile Arg Arg Ser Cys Asp Val Gly Val Gly
 50 55 60
 Gly Phe Ile Leu Val Thr Leu Gly Cys Trp Phe His Cys Arg Tyr Asn
 65 70 75 80
 Tyr Ala Lys Gln Arg Ile Gln Glu Arg Ile Ala Arg Glu Glu Ile Lys
 85 90 95
 Lys Lys Ile Leu Tyr Glu Gly Thr His Leu
 100 105

<210> 5678
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 5678
 Met Asp Phe Ser Lys Leu Pro Lys Ile Leu Asp Glu Asp Lys Glu Ser
 1 5 10 15
 Thr Phe Gly Tyr Val His Gly Val Ser Gly Pro Val Val Thr Ala Cys
 20 25 30
 Asp Met Ala Gly Ala Ala Met Tyr Glu Leu Val Arg Val Gly His Xaa
 35 40 45
 Glu Leu Val Gly Glu Ile Ile Arg Leu Glu Gly Asp Met Ala Thr Ile
 50 55 60
 Gln Val Tyr Glu Glu Thr Ser Gly Val Ser Val Gly Asp Pro Val Leu
 65 70 75 80
 Arg Thr Gly Lys Pro Leu Ser Val Glu Leu Gly Pro Gly Ile Met Gly
 85 90 95
 Ala Ile Phe Asp Gly Ile Gln Arg Pro Leu Ser Asp Ile Ser Ser Xaa
 100 105 110
 Thr Gln Xaa Ile Tyr Ile Pro Arg
 115 120

<210> 5679
 <211> 456
 <212> PRT
 <213> Homo sapiens

<400> 5679
 Met Ala Leu Gly Pro Arg Cys Gly Ala Ile Arg Ala Cys Arg Arg Val
 1 5 10 15
 Leu Glu Arg Ala Phe Ser Leu Arg Lys Ala His Ser Ile Lys Asp Met
 20 25 30
 Glu Asn Thr Leu Gln Leu Val Arg Asn Ile Ile Pro Pro Leu Ser Ser
 35 40 45
 Thr Lys His Lys Gly Gln Asp Gly Arg Ile Gly Val Val Gly Gly Cys
 50 55 60
 Gln Glu Tyr Thr Gly Ala Pro Tyr Phe Ala Ala Ile Ser Ala Leu Lys
 65 70 75 80
 Val Gly Ala Asp Leu Ser His Val Phe Cys Ala Ser Ala Ala Pro
 85 90 95
 Val Ile Lys Ala Tyr Ser Pro Glu Leu Ile Val His Pro Val Leu Asp
 100 105 110
 Ser Pro Asn Ala Val His Glu Val Glu Lys Trp Leu Pro Arg Leu His
 115 120 125
 Ala Leu Val Val Gly Pro Gly Leu Gly Arg Asp Asp Ala Leu Leu Arg
 130 135 140
 Asn Val Gln Gly Ile Leu Glu Val
 145 150

<210> 5680
 <211> 171
 <212> PRT
 <213> Homo sapiens

REPORT

<210> 5681

<212> PRT

<213> Homo sapiens

[illegible]

<210> 5682

<211> 171

<212> PRT

<213> Homo sapiens

<400> 5682

<210> 5683

<211> 261

<212> PRT

<213> Homo sapiens

<400> 5683

3239

20 25 30
 Ser Ser Ala Leu Asp Cys Val Leu Ser Ser Phe Gln Met Thr Asn Glu
 35 40 45
 Thr Val Asn Ile Trp Thr His Phe Leu Pro Thr Cys Phe Leu Glu Leu
 50 55 60
 Glu Ser Pro Gly Leu Ser Lys Ser Pro Pro Ala Gln Glu Pro Ser Pro
 65 70 75 80
 Ile Gln Phe Leu Phe Asp Asn
 85

<210> 5684
 <211> 297
 <212> PRT
 <213> Homo sapiens

<400> 5684
 Met Pro Ala Asp Leu Ser Gly Thr Trp Thr Leu Leu Ser Ser Asp Asn
 1 5 10 15
 Phe Glu Gly Tyr Met Leu Ala Leu Gly Ile Asp Phe Ala Thr Arg Lys
 20 25 30
 Ile Ala Lys Leu Leu Lys Pro Gln Lys Val Ile Glu Gln Asn Gly Asp
 35 40 45
 Ser Phe Thr Ile His Thr Asn Ser Ser Leu Arg Xaa Tyr Phe Val Lys
 50 55 60
 Phe Lys Val Gly Glu Glu Phe Asp Glu Asp Asn Arg Gly Leu Asp Asn
 65 70 75 80
 Arg Lys Cys Lys Ser Leu Val Ile Trp Asp Asn Asp Arg Leu Thr Xaa
 85 90 95
 Xaa Xaa Lys

<210> 5685
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 5685
 Met Glu Gly Glu Arg Lys Asn Asn Asn Lys Arg Trp Tyr Phe Thr Arg
 1 5 10 15
 Glu Gln Leu Glu Asn Ser Pro Ser Arg Arg Phe Gly Val Asp Pro Asp
 20 25 30
 Lys Glu Leu Ser Tyr Arg Gln Gln Ala Ala Asn Leu Leu Gln Asp Met
 35 40 45
 Gly Gln Arg Leu Asn Val Ser Gln Leu Thr Ile Asn Thr Ala Ile Val
 50 55 60
 Tyr Met His Arg Phe Tyr Met Ile Gln Ser Phe Thr Gln Phe Pro
 65 70 75

<210> 5686
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 5686
 Met Phe Leu Thr Ala Val Asn Pro Gln Pro Leu Ser Thr Pro Ser Trp

1 5 10 15
 Gln Ile Glu Thr Lys Tyr Ser Thr Lys Val Leu Thr Gly Asn Trp Met
 20 25 30
 Glu Glu Arg Arg Lys Phe Thr Arg Asp Thr Asp Lys Asp Thr Pro Ile
 35 40 45
 His Leu Xaa Lys Arg Ile His Pro Leu Pro Arg Pro Gln Thr Arg Pro
 50 55 60
 Asp Leu Gln
 65

<210> 5687
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5687
 Met Leu Val Leu Phe Glu Thr Ser Val Gly Tyr Ala Ile Phe Lys Val
 1 5 10 15
 Leu Asn Glu Lys Lys Leu Gln Glu Val Asp Ser Leu Trp Lys Glu Phe
 20 25 30
 Glu Thr Pro Glu Lys Ala Asn Lys Ile Val Lys Leu Lys His Phe Glu
 35 40 45
 Xaa Phe Gln Xaa Thr Ala Glu Ala Leu Ala Ala Ser
 50 55 60

<210> 5688
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 5688
 Met Pro Asn Trp Gly Gly Gly Lys Lys Cys Gly Val Cys Gln Lys Thr
 1 5 10 15
 Val Tyr Phe Ala Glu Glu Val Gln Cys Glu Gly Asn Ser Phe His Lys
 20 25 30
 Ser Cys Phe Leu Cys Met Val Cys Lys Lys Asn Leu Asp Ser Thr Thr
 35 40 45
 Val Ala Val His Gly Glu Glu Ile Tyr Cys Lys Ser Cys Tyr Gly Lys
 50 55 60
 Lys Tyr Gly Pro Lys Gly Tyr Gly Tyr Gly Gln Gly Ala Gly Thr Leu
 65 70 75 80
 Ser Thr Asp Lys Gly Glu Ser Leu Gly Ile Lys His Glu Glu Ala Pro
 85 90 95
 Gly His Arg Pro Pro Pro Thr Pro Met His Pro Asn Leu
 100 105

<210> 5689
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5689
 Met Glu Ile Gly Asp His Phe Gln Asn Ile Leu Arg Ser Pro Leu Ser
 1 5 10 15

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Arg Gln Gly Gly Leu Arg Glu Ile Arg Asp Asp Phe Gln Phe Ser Gly
 20 25 30
 Leu Glu Asn Gly Val Thr Ser Gln Phe Arg Phe Trp Arg Glu Asp Val
 35 40 45
 Trp Phe Trp Thr Cys
 50

<210> 5690
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 5690
 Met Ser Val Ala Phe Ala Ala Pro Arg Gln Arg Gly Lys Gly Glu Ile
 1 5 10 15
 Thr Pro Ala Ala Ile Gln Lys Met Leu Asp Asp Asn Asn His Leu Ile
 20 25 30
 Gln Cys Ile Met Asp Ser Gln Asn Lys Gly Lys Thr Ser Glu Cys Ser
 35 40 45
 Gln Tyr Gln Gln Met Leu His Thr Asn Leu Val Tyr Leu Ala Thr Ile
 50 55 60
 Ala Asp Ser Asn Gln Asn Met Gln Ser Leu Leu Pro Ala
 65 70 75

<210> 5691
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5691
 Met Arg Gln Met Ile Arg Ser Phe Ser Glu Pro Phe Gly Arg Asp Leu
 1 5 10 15
 Leu Ser Ile Ser Asp Gly Arg Gly Arg Ala His Asn Arg Arg Gly His
 20 25 30
 Asn Asp Xaa Glu Asp Ser Leu Thr His Thr Asp Val Ser Ser Phe Gln
 35 40 45
 Thr Met Asp Gln Met Val Ser Asn Met Arg Asn Tyr Met Gln Xaa Leu
 50 55 60
 Glu Arg Asn Phe Gly Gln Leu Ser Val Asp Pro Asn Gly His Ser Phe
 65 70 75 80
 Cys Ser Ser Ser Val Met
 85

<210> 5692
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5692
 Met Arg Gln Met Ile Arg Ser Phe Ser Glu Pro Phe Gly Arg Asp Leu
 1 5 10 15
 Leu Ser Ile Ser Asp Gly Arg Gly Arg Ala His Asn Arg Arg Gly His
 20 25 30
 Asn Asp Xaa Glu Asp Ser Leu Thr His Thr Asp Val Ser Ser Phe Gln

35 40 45
 Thr Met Asp Gln Met Val Ser Asn Met Arg Asn Tyr Met Gln Xaa Leu
 50 55 60
 Glu Arg Asn Phe Gly Gln Leu Ser Val Asp Pro Asn Gly His Ser Phe
 65 70 75 80
 Cys Ser Ser Ser Val Met
 85

<210> 5693
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 5693
 Met Phe Arg Met Leu Asn Ser Ser Phe Glu Asp Asp Pro Phe Phe Ser
 1 5 10 15
 Glu Ser Ile Leu Ala His Arg Glu Asn Met Arg Gln Met Ile Arg Ser
 20 25 30
 Phe Ser Glu Pro Phe Gly Arg Asp Leu Leu Ser Ile Ser Asp Gly Arg
 35 40 45
 Gly Arg Ala His Asn Arg Arg Gly His Asn Asp Xaa Glu Asp Ser Leu
 50 55 60
 Thr His Thr Asp Val Ser Ser Phe Gln Thr Met Asp Gln Met Val Ser
 65 70 75 80
 Asn Met Arg Asn Tyr Met Gln Xaa Leu Glu Arg Asn Phe Gly Gln Leu
 85 90 95
 Ser Val Asp Pro Asn Gly His Ser Phe Cys Ser Ser Ser Val Met
 100 105 110

<210> 5694
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5694
 Met Arg Gln Met Ile Arg Ser Phe Ser Glu Pro Phe Gly Arg Asp Leu
 1 5 10 15
 Leu Xaa Ile Ser Asp Gly Xaa Gly Arg Ala His Asn Arg Arg Gly His
 20 25 30
 Asn Asp Xaa Glu Asp Ser Leu Thr His Thr Asp Val Ser Ser Phe Gln
 35 40 45
 Thr Met Asp Gln Met Val Ser Asn Met Arg Asn Tyr Met Gln Xaa Leu
 50 55 60
 Glu Arg Asn Phe Gly Gln Leu Ser Val Asp Pro Asn Gly His Ser Phe
 65 70 75 80
 Cys Ser Ser Ser Val Met
 85

<210> 5695
 <211> 423
 <212> PRT
 <213> Homo sapiens

<400> 5695

Met Ala Ala Ala Ala Ala Arg Val Val Leu Ser Ser Ala Ala Arg Arg
 1 5 10 15
 Arg Leu Trp Gly Phe Ser Glu Ser Leu Leu Ile Arg Gly Ala Ala Gly
 20 25 30
 Arg Ser Leu Tyr Phe Gly Glu Asn Arg Leu Arg Ser Thr Gln Ala Ala
 35 40 45
 Thr Gln Val Val Leu Asn Val Pro Glu Thr Arg Val Thr Cys Leu Glu
 50 55 60
 Ser Gly Leu Arg Val Ala Ser Glu Asp Ser Gly Leu Ser Thr Cys Thr
 65 70 75 80
 Val Gly Leu Trp Ile Asp Ala Gly Ser Arg Tyr Glu Asn Glu Lys Asn
 85 90 95
 Asn Gly Thr Ala His Phe Leu Glu His Met Ala Phe Lys Gly Thr Lys
 100 105 110
 Lys Arg Ser Gln Leu Asp Leu Glu Leu Glu Ile Glu Asn Met Gly Ala
 115 120 125
 His Leu Asn Ala Tyr Thr Ser Arg Glu Gln Thr Val Tyr
 130 135 140

<210> 5696
 <211> 441
 <212> PRT
 <213> Homo sapiens

<400> 5696
 Met Ser Ser Gly Asn Ala Lys Ile Gly His Pro Ala Pro Asn Phe Lys
 1 5 10 15
 Ala Thr Ala Val Met Pro Asp Gly Gln Phe Lys Asp Ile Ser Leu Ser
 20 25 30
 Asp Tyr Lys Gly Lys Tyr Val Val Phe Phe Phe Tyr Pro Leu Asp Phe
 35 40 45
 Thr Phe Val Cys Pro Thr Glu Ile Ile Ala Phe Ser Asp Arg Ala Glu
 50 55 60
 Glu Phe Lys Lys Leu Asn Cys Gln Val Ile Gly Ala Ser Val Asp Ser
 65 70 75 80
 His Phe Cys His Leu Ala Trp Val Asn Thr Pro Lys Lys Gln Gly Gly
 85 90 95
 Leu Gly Pro Met Asn Ile Pro Leu Val Ser Asp Pro Lys Arg Thr Ile
 100 105 110
 Ala Gln Asp Tyr Gly Val Leu Lys Ala Asp Glu Gly Ile Ser Phe Arg
 115 120 125
 Gly Leu Phe Ile Ile Asp Asp Lys Gly Xaa Leu Arg Gln Ile Thr Val
 130 135 140
 Asn Asp Leu
 145

<210> 5697
 <211> 459
 <212> PRT
 <213> Homo sapiens

<400> 5697
 Met Ala Asp Gly Gly Ala Ala Ser Gln Asp Glu Ser Ser Ala Ala Ala
 1 5 10 15

Ala Ala Ala Ala Asp Ser Arg Met Asn Asn Pro Ser Glu Thr Ser Lys
 20 25 30
 Pro Ser Met Glu Ser Gly Asp Gly Asn Thr Gly Thr Gln Thr Asn Gly
 35 40 45
 Leu Asp Phe Gln Lys Gln Pro Val Pro Val Gly Gly Ala Ile Ser Thr
 50 55 60
 Ala Gln Ala Gln Ala Phe Leu Gly His Leu His Gln Val Gln Leu Ala
 65 70 75 80
 Gly Thr Ser Leu Gln Ala Ala Ala Gln Ser Leu Asn Val Gln Ser Lys
 85 90 95
 Ser Asn Glu Glu Ser Gly Asp Ser Gln Gln Pro Ser Gln Pro Ser Gln
 100 105 110
 Gln Pro Ser Val Gln Ala Ala Ile Pro Gln Thr Gln Leu Met Leu Ala
 115 120 125
 Gly Gly Gln Ile Thr Gly Leu Thr Leu Thr Pro Ala Xaa Gln Gln Leu
 130 135 140
 Leu Leu Gln Gln Ala Gln Ala Gln Ala
 145 150

<210> 5698
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 5698
 Met Ala Glu Ala Ala Thr Gly Phe Leu Glu Gln Leu Lys Ser Cys Ile
 1 5 10 15
 Val Trp Ser Trp Thr Tyr Leu Trp Thr Val Trp Phe Phe Ile Val Leu
 20 25 30
 Phe Leu Val Tyr Ile Leu Xaa Val Pro Leu Lys Ile Asn Asp Asn Leu
 35 40 45
 Ser Thr Val Ser Met Phe Leu Asn Thr Leu Thr Pro Lys Phe Tyr Val
 50 55 60
 Ala Leu Thr Gly Thr Ser Ser Leu Ile Ser Gly Leu Ile Leu Ile Phe
 65 70 75 80
 Glu Trp Trp Tyr Phe Arg Lys Tyr Gly Thr Ser Phe Ile Glu Gln Val
 85 90 95
 Ser Val Ser His Leu Arg Pro Leu Leu Gly Gly Val Asp Asn Asn Ser
 100 105 110

<210> 5699
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 5699
 Met Thr Thr Thr Thr Thr Phe Lys Gly Val Asp Pro Asn Ser Arg Asn
 1 5 10 15
 Ser Ser Arg Val Leu Arg Pro Pro Gly Gly Gly Ser Asn Phe Ser Leu
 20 25 30
 Gly Phe Asp Glu Pro Thr Glu Gln Pro Val Arg Lys Asn Lys Met Ala
 35 40 45
 Ser Xaa Ile Phe Gly Thr Pro Glu Glu Asn Gln Ala Ser Trp Ala Lys
 50 55 60

Ser Ala Gly Ala Lys Ser Ser Gly Gly Arg Glu Asp Xaa Glu Ser Ser
65 70 75 80
Gly Leu Gln Arg Arg Asn Ser Ser Glu Ala Xaa Ser Gly Asp Phe Leu
85 90 95
Asp Leu Lys Gly Glu Gly Asp Ile His Glu Asn Val Asp Thr Asp Leu
100 105 110
Pro Gly Ser Leu Gly Gln Ser Glu Glu Lys Pro Cys
115 120

<210> 5700
<211> 240
<212> PRT
<213> Homo sapiens

<400> 5700
Met Ala Ala Glu Ser Leu Pro Phe Ser Phe Gly Thr Leu Ser Ser Trp
1 5 10 15
Glu Leu Glu Ala Trp Tyr Glu Asp Leu Gln Glu Val Leu Ser Ser Asp
20 25 30
Glu Asn Gly Gly Thr Tyr Val Ser Pro Pro Gly Asn Glu Glu Glu Glu
35 40 45
Ser Lys Ile Phe Thr Thr Leu Asp Pro Ala Ser Leu Ala Xaa Leu Thr
50 55 60
Glu Glu Glu Pro Glu Pro Ala Glu Val Thr Ser Thr Ser Gln Ser Pro
65 70 75 80

<210> 5701
<211> 294
<212> PRT
<213> Homo sapiens

<400> 5701
Met Ala Ala Leu Thr Thr Leu Phe Lys Tyr Ile Asp Glu Asn Gln Asp
1 5 10 15
Arg Tyr Ile Lys Lys Leu Ala Lys Trp Val Ala Ile Gln Ser Val Ser
20 25 30
Ala Trp Pro Glu Lys Arg Gly Glu Ile Arg Arg Met Met Glu Val Ala
35 40 45
Ala Ala Asp Val Lys Gln Leu Gly Gly Ser Val Glu Leu Val Asp Ile
50 55 60
Gly Lys Gln Lys Leu Pro Asp Gly Ser Xaa Ile Pro Leu Pro Pro Ile
65 70 75 80
Leu Xaa Gly Arg Leu Gly Ser Asp Pro Gln Lys Lys Thr Val Cys Ile
85 90 95
Tyr Gly

<210> 5702
<211> 294
<212> PRT
<213> Homo sapiens

<400> 5702
Met Ala Ala Leu Thr Thr Leu Phe Lys Tyr Ile Asp Glu Asn Gln Asp
1 5 10 15

Arg Tyr Ile Lys Lys Leu Ala Lys Trp Val Ala Ile Gln Ser Val Ser
 20 25 30
 Ala Trp Pro Glu Lys Arg Gly Glu Ile Arg Arg Met Met Glu Val Ala
 35 40 45
 Ala Ala Asp Val Lys Gln Leu Gly Gly Ser Val Glu Leu Val Asp Ile
 50 55 60
 Gly Lys Gln Lys Leu Pro Asp Gly Ser Xaa Ile Pro Leu Pro Pro Ile
 65 70 75 80
 Leu Xaa Gly Arg Leu Gly Ser Asp Pro Gln Lys Lys Thr Val Cys Ile
 85 90 95
 Tyr Gly

<210> 5703
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 5703
 Met Lys Val Asn Arg Glu Thr Lys Arg Leu Tyr Val Gly Gly Leu Ser
 1 5 10 15
 Gln Asp Ile Ser Glu Ala Asp Leu Gln Asn Gln Phe Ser Arg Phe Gly
 20 25 30
 Glu Val Ser Asp Val Glu Ile Ile Thr Arg Lys Asp Asp Gln Gly Asn
 35 40 45
 Pro Gln Lys Val Phe Ala Tyr Ile Asn Ile Ser Val Ala Glu Ala Asp
 50 55 60
 Leu Lys Lys Cys Met Ser Val Leu Asn Lys Thr Lys Trp Lys Gly
 65 70 75

<210> 5704
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 5704
 Met Asp Met Thr Trp Glu Lys Arg Leu Ala Lys Lys Tyr Tyr Asp Lys
 1 5 10 15
 Leu Phe Lys Glu Tyr Cys Ile Ala Asp Leu Ser Lys Tyr Lys Glu Asn
 20 25 30
 Lys Phe Gly Phe Arg Trp Arg Val Glu Lys Glu Val Ile Ser Gly Lys
 35 40 45
 Gly Gln Phe Phe Cys Gly Asn Lys Tyr Cys Asp Lys Lys Glu Gly Leu
 50 55 60
 Lys Ser Trp Glu Val Asn Phe Gly Tyr Ile Glu His Gly Glu Lys Arg
 65 70 75 80
 Asn Ala Leu Val Lys Leu Arg Leu Cys Gln Glu Cys Ser Ile Xaa Val
 85 90 95
 Lys Phe Pro Ser Gln Glu Lys Glu Ile Lys Ser
 100 105

<210> 5705
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5705

Met Ala Asp Glu Ile Ala Lys Ala Gln Val Ala Arg Pro Gly Gly Asp
1 5 10 15
Thr Ile Phe Gly Lys Ile Ile Arg Lys Glu Ile Pro Ala Lys Ile Ile
20 25 30
Phe Glu Asp Asp Arg Val Gly Thr Gly His His Leu Ser Arg Leu Leu
35 40 45
Ser Ala Leu Leu Ser Met Thr
50 55

<210> 5706

<211> 411

<212> PRT

<213> Homo sapiens

<400> 5706

Met Val Arg Ser Gly Asn Lys Ala Ala Val Val Leu Cys Met Asp Val
1 5 10 15
Gly Phe Thr Met Ser Asn Ser Ile Pro Gly Ile Glu Ser Pro Phe Glu
20 25 30
Gln Ala Lys Lys Val Ile Thr Met Phe Val Gln Arg Gln Val Phe Ala
35 40 45
Glu Asn Lys Asp Glu Ile Ala Leu Val Leu Phe Gly Thr Asp Gly Thr
50 55 60
Asp Asn Pro Leu Ser Gly Gly Asp Gln Tyr Gln Asn Ile Thr Val His
65 70 75 80
Arg His Leu Met Leu Pro Asp Phe Asp Leu Leu Glu Asp Ile Glu Ser
85 90 95
Lys Ile Gln Pro Gly Ser Gln Gln Ala Asp Phe Leu Asp Ala Leu Ile
100 105 110
Val Ser Met Asp Val Ile Gln His Glu Thr Ile Gly Lys Lys Phe Glu
115 120 125
Lys Arg His Ile Glu Ile Phe Thr Asp
130 135

<210> 5707

<211> 387

<212> PRT

<213> Homo sapiens

<400> 5707

Met Ser Gly Phe Ser Pro Glu Leu Ile Asp Tyr Leu Glu Gly Lys Ile
1 5 10 15
Ser Phe Glu Glu Phe Glu Arg Arg Arg Glu Glu Arg Lys Thr Arg Glu
20 25 30
Lys Lys Ser Leu Gln Glu Lys Gly Lys Leu Ser Ala Glu Glu Asn Pro
35 40 45
Asp Asp Ser Glu Val Pro Ser Ser Ser Gly Ile Asn Ser Thr Lys Ser
50 55 60
Gln Asp Lys Asp Val Asn Glu Gly Glu Thr Ser Asp Gly Val Arg Lys
65 70 75 80
Ser Val His Lys Val Phe Ala Ser Xaa Leu Gly Glu Asn Glu Asp Asp
85 90 95

Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Thr
 100 105 110
 Pro Glu Gln Pro Thr Ala Gly Asp Val Phe Val Leu Glu Met Val Leu
 115 120 125
 Asn

<210> 5708
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 5708
 Met Arg Leu Ser Ala Leu Leu Ala Leu Ala Ser Lys Val Thr Leu Pro
 1 5 10 15
 Pro His Tyr Arg Tyr Gly Met Ser Pro Pro Gly Ser Val Ala Asp Lys
 20 25 30
 Arg Lys Asn Pro Pro Trp Ile Arg Arg Arg Pro Xaa Val Val Glu Pro
 35 40 45
 Ile Ser Asp Glu Asp Trp Tyr Leu Phe Cys Gly Asp Thr Val Glu Ile
 50 55 60
 Leu Glu Gly Lys Asp Ala Gly Lys Gln Xaa Lys Trp Phe Lys Leu Ser
 65 70 75 80
 Gly Ser Glu

<210> 5709
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 5709
 Met Asp Asp Glu Glu Glu Thr Tyr Arg Leu Trp Lys Ile Arg Lys Thr
 1 5 10 15
 Ile Met Gln Leu Cys His Asp Arg Gly Tyr Leu Val Thr Gln Asp Glu
 20 25 30
 Leu Asp Gln Thr Leu Glu Glu Phe Lys Ala Gln Phe Gly Asp Lys Pro
 35 40 45
 Ser Glu Gly Arg Pro Arg Arg Thr Asp Leu Thr Val Leu Val Ala His
 50 55 60
 Asn Asp Asp Pro Thr Asp Gln Met Phe Val Phe Phe Pro Glu Glu Pro
 65 70 75 80
 Lys Val Gly Ile Lys Thr Ile Lys Val Tyr Cys Gln Arg Met Gln Glu
 85 90 95
 Glu Asn Ile Thr Arg Ala Leu Ile Val Val Gln Gln Gly Met Thr Pro
 100 105 110
 Pro

<210> 5710
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 5710
 Met Ala Ala Val Val Ala Val Cys Gly Gly Leu Gly Arg Lys Lys Leu
 1 5 10 15

Thr His Leu Val Thr Ala Ala Val Ser Leu Thr His Pro Gly Thr His
 20 25 30
 Thr Val Leu Trp Arg Arg Gly Cys Ser Gln Gln Val Ser Ser Asn Glu
 35 40 45
 Asp Leu Leu Leu Ser Gln Phe Val Ser Pro Phe Thr Gly Cys Ile Tyr
 50 55 60
 Gly Arg His Ile Thr Gly Leu Cys Gly Lys Lys Gln Lys Glu Ile Thr
 65 70 75 80
 Lys Ala Ile Lys Arg Ala Gln Ile Met Gly Phe Met Pro Val Thr Tyr
 85 90 95
 Lys Asp Pro Ala Tyr Leu Lys Asp Pro Lys Val Cys
 100 105

<210> 5711
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 5711
 Met Ala Ala Val Val Ala Val Cys Gly Gly Leu Gly Arg Lys Lys Leu
 1 5 10 15
 Thr His Leu Val Thr Ala Ala Val Ser Leu Thr His Pro Gly Thr His
 20 25 30
 Thr Val Leu Trp Arg Arg Gly Cys Ser Gln Gln Val Ser Ser Asn Glu
 35 40 45
 Asp Leu Pro Ile Ser Met Glu Asn Pro Tyr Lys Glu Pro Leu Lys Lys
 50 55 60
 Cys Ile Leu Cys Gly Lys His Val Asp Tyr Lys Asn Val Gln Leu Leu
 65 70 75 80
 Ser Gln Phe Val Ser Pro Phe Thr Gly Cys Ile Tyr Gly Arg His Ile
 85 90 95
 Thr Gly Leu Cys Gly Lys Lys Gln Lys Glu Ile Thr Lys Ala Ile Lys
 100 105 110
 Arg Ala Gln Ile Met Gly Phe Met Pro Val Thr Tyr Lys Asp Pro Ala
 115 120 125
 Tyr Leu Lys Asp Pro Lys Val Cys
 130 135

<210> 5712
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 5712
 Met Ser Val Phe Gly Lys Leu Phe Gly Ala Gly Gly Lys Ala Gly
 1 5 10 15
 Lys Gly Gly Pro Thr Pro Gln Glu Ala Ile Gln Arg Leu Arg Asp Thr
 20 25 30
 Glu Glu Met Leu Ser Lys Lys Gln Glu Phe Leu Glu Lys Lys Ile Glu
 35 40 45
 Gln Glu Leu Thr Ala Ala Lys Lys His Gly Thr Lys Asn Lys Arg Ala
 50 55 60
 Ala Leu Gln Ala Leu Lys Arg Lys Xaa Arg Tyr Xaa Lys Gln Leu Ala
 65 70 75 80

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<400> 5713															
Met	Gly	Lys	Ile	Ala	Leu	Gln	Leu	Lys	Ala	Thr	Leu	Glu	Asn	Ile	Thr
1				5					10					15	
Asn	Leu	Arg	Pro	Val	Gly	Glu	Asp	Phe	Arg	Trp	Tyr	Leu	Lys	Met	Lys
			20					25					30		
Cys	Gly	Asn	Cys	Gly	Glu	Ile	Ser	Asp	Lys	Trp	Gln	Tyr	Ile	Arg	Leu
		35					40					45			
Met	Asp	Ser	Val	Ala	Leu	Lys	Gly	Gly	Arg	Gly	Ser	Ala	Ser	Met	Val
	50					55					60				
Gln	Lys	Cys	Lys	Leu	Cys	Ala	Arg	Glu	Asn	Ser	Ile	Glu	Ile	Leu	Ser
65					70					75				80	
Ser	Thr	Ile	Lys	Pro	Tyr	Asn	Ala	Glu	Asp	Asn	Glu	Asn	Phe	Lys	Thr
				85					90					95	
Ile	Val	Glu	Phe	Glu	Cys	Arg	Gly	Thr	Gly	Asp					
			100					105							

<400> 5714															
Met	Pro	Tyr	Gln	Tyr	Pro	Ala	Leu	Thr	Pro	Glu	Gln	Lys	Lys	Glu	Leu
1				5					10					15	
Ser	Asp	Ile	Ala	His	Arg	Ile	Val	Ala	Pro	Gly	Lys	Gly	Ile	Leu	Ala
			20					25					30		
Ala	Asp	Glu	Ser	Thr	Gly	Ser	Ile	Ala	Lys	Arg	Leu	Gln	Ser	Ile	Gly
		35				40						45			
Thr	Glu	Asn	Thr	Glu	Glu	Asn	Arg	Arg	Phe	Tyr	Arg	Gln	Leu	Leu	Leu
	50					55					60				
Thr	Ala	Asp	Asp	Arg	Val	Xaa	Pro	Cys	Ile	Gly	Gly	Val	Ile	Leu	Phe
65				70						75				80	
His	Glu	Xaa	Leu	Tyr	Gln	Xaa	Ala	Asp	Asp	Gly	Arg	Pro	Phe	Pro	Gln
				85					90					95	
Val	Ile	Lys	Ser	Lys	Gly	Gly	Val	Val							
			100					105							

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<400> 5715
Met Pro Tyr Gln Tyr Pro Ala Leu Thr Pro Glu Gln Lys Lys Glu Leu
1          5          10          15
Ser Asp Ile Ala His Arg Ile Val Ala Pro Gly Lys Gly Ile Leu Ala
          20          25          30

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Ala Asp Glu Ser Thr Gly Ser Ile Ala Lys Arg Leu Gln Ser Ile Gly
 35 40 45
 Thr Glu Asn Thr Glu Glu Asn Arg Arg Phe Tyr Arg Gln Leu Leu Leu
 50 55 60
 Thr Ala Asp Asp Arg Val Asn Pro Cys Ile Gly Gly Val Ile Leu Phe
 65 70 75 80
 His Glu Thr Leu Tyr Gln Lys Ala Asp Asp Gly Arg Pro Phe Pro Gln
 85 90 95
 Val Ile Lys Ser Lys Gly Gly Val Val
 100 105

<210> 5716
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5716
 Met Pro Tyr Gln Tyr Pro Ala Leu Thr Pro Glu Gln Lys Lys Glu Leu
 1 5 10 15
 Ser Asp Ile Ala His Arg Ile Val Ala Pro Gly Lys Gly Ile Leu Ala
 20 25 30
 Ala Asp Glu Ser Thr Gly Ser Ile Ala Lys Arg Leu Gln Ser Ile Gly
 35 40 45
 Thr Glu Asn Thr Glu Glu Asn Arg Arg Phe Tyr Arg Gln Leu Leu Leu
 50 55 60
 Thr Ala Asp Asp Arg Val Asn Pro Cys Ile Gly Gly Val Ile Leu Phe
 65 70 75 80
 His Glu Thr Leu Tyr Gln Lys Ala Asp Asp Gly Arg Pro Phe Pro Gln
 85 90 95
 Val Ile Lys Ser Lys Gly Gly Val Val
 100 105

<210> 5717
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5717
 Met Pro Tyr Gln Tyr Pro Ala Leu Thr Pro Glu Gln Lys Lys Glu Leu
 1 5 10 15
 Ser Asp Ile Ala His Arg Ile Val Ala Pro Gly Lys Gly Ile Leu Ala
 20 25 30
 Ala Asp Glu Ser Thr Gly Ser Ile Ala Lys Arg Leu Gln Ser Ile Gly
 35 40 45
 Thr Glu Asn Thr Glu Glu Asn Arg Arg Phe Tyr Arg Gln Leu Leu Leu
 50 55 60
 Thr Ala Asp Asp Arg Val Xaa Pro Cys Ile Gly Gly Val Ile Leu Phe
 65 70 75 80
 His Glu Xaa Leu Tyr Gln Xaa Ala Asp Asp Gly Arg Pro Phe Pro Gln
 85 90 95
 Val Ile Lys Ser Lys Gly Gly Val Val
 100 105

<210> 5718

<211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5718
 Met Pro Tyr Gln Tyr Pro Ala Leu Thr Pro Glu Gln Lys Lys Glu Leu
 1 5 10 15
 Ser Asp Ile Ala His Arg Ile Val Ala Pro Gly Lys Gly Ile Leu Ala
 20 25 30
 Ala Asp Glu Ser Thr Gly Ser Ile Ala Lys Arg Leu Gln Ser Ile Gly
 35 40 45
 Thr Glu Asn Thr Glu Glu Asn Arg Arg Phe Tyr Arg Gln Leu Leu Leu
 50 55 60
 Thr Ala Asp Asp Arg Val Xaa Pro Cys Ile Gly Gly Val Ile Leu Phe
 65 70 75 80
 His Glu Xaa Leu Tyr Gln Xaa Ala Asp Asp Gly Arg Pro Phe Pro Gln
 85 90 95
 Val Ile Lys Ser Lys Gly Gly Val Val
 100 105

<210> 5719
 <211> 285
 <212> PRT
 <213> Homo sapiens

<400> 5719
 Met Thr Ser Ala Leu Glu Asn Tyr Ile Asn Arg Thr Val Ala Val Ile
 1 5 10 15
 Thr Ser Asp Gly Arg Met Ile Val Gly Thr Leu Lys Gly Phe Asp Gln
 20 25 30
 Thr Ile Asn Leu Ile Leu Asp Glu Ser His Glu Arg Val Phe Ser Ser
 35 40 45
 Ser Gln Gly Val Glu Gln Val Val Leu Gly Leu Tyr Ile Val Arg Gly
 50 55 60
 Asp Asn Val Ala Val Ile Gly Glu Ile Asp Glu Glu Thr Asp Ser Ala
 65 70 75 80
 Leu Asp Leu Gly Asn Ile Arg Ala Glu Pro Leu Asn Ser Val Ala
 85 90 95

<210> 5720
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 5720
 Met Asp Val Trp Ala Arg Leu Pro Leu Cys Thr Gly Xaa Ile Leu Glu
 1 5 10 15
 Tyr Leu Thr Ala Glu Val Leu Glu Leu Ala Gly Asn Ala Ser Lys Asp
 20 25 30
 Leu Lys Val Lys Arg Ile Thr Pro Arg His Leu Gln Leu Ala Ile Arg
 35 40 45
 Gly Asp Glu Glu
 50

<210> 5721
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 5721
 Met Asn Leu Ile Phe His Lys Asp Ile Leu Phe Gly Ile Pro Ala Asn
 1 5 10 15
 Lys Val Pro Gln Asp Glu Trp Thr Gly Tyr Thr Pro Arg Gly Lys Asp
 20 25 30
 Asp Glu Ile Pro Cys Arg Arg Met Arg Ser Gly Ser Tyr Ile Lys Ala
 35 40 45
 Met Gly Asp Glu Asp Ser Gly Asp Ser Asp Thr Ser Pro Lys Pro Ser
 50 55 60
 Pro Lys Val Ala Ala Arg Arg Glu Ser Tyr Leu Lys Ala Thr Gln Pro
 65 70 75 80
 Ser Leu Thr Glu Leu Thr Thr Leu Lys Ile Ser Asn Glu His Ser Pro
 85 90 95
 Lys Leu Gln Ile Arg Ser His Ser Tyr Leu Arg Ala Val Ser Glu Val
 100 105 110
 Ser Ile Asn Arg Ser Leu Asp Ser Leu Asp Leu Gln Leu Ala His Ile
 115 120 125
 Thr Lys Val
 130

<210> 5722
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 5722
 Met Ala His Leu Arg Val Pro Gln Asp Glu Trp Thr Gly Tyr Thr Pro
 1 5 10 15
 Arg Gly Lys Asp Asp Glu Ile Pro Cys Arg Arg Met Arg Ser Gly Ser
 20 25 30
 Tyr Ile Lys Ala Met Gly Asp Glu Asp Ser Gly Asp Ser Asp Thr Ser
 35 40 45
 Pro Lys Pro Ser Pro Lys Val Ala Ala Arg Arg Glu Ser Tyr Leu Lys
 50 55 60
 Ala Thr Gln Pro Ser Leu Thr Glu Leu Thr Thr Leu Lys
 65 70 75

<210> 5723
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5723
 Met Gln Thr Val Leu Gln Lys Arg Ala Ala Pro Tyr Val Gln Ala Phe
 1 5 10 15
 Asp Ser Leu Leu Ala Gly Pro Val Ala Glu Tyr Leu Lys Ile Ser Lys
 20 25 30
 Glu Ile Gly Gly Asp Val Gln Lys His Ala Glu Met Val His Thr Gly
 35 40 45

Leu Lys Leu Glu Arg Ala Leu Leu Val Xaa Leu Leu Ser Val Asn Ser
 50 55 60
 Gln Gln Lys Ile Ser Phe Pro Ile Cys Trp His Pro
 65 70 75

<210> 5724
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 5724
 Met Ala Asp Met Gln Asn Leu Val Glu Arg Leu Glu Arg Ala Val Gly
 1 5 10 15
 Arg Leu Glu Ala Val Ser His Thr Ser Asp Met His Arg Gly Tyr Ala
 20 25 30
 Asp Ser Pro Ser Lys Ala Gly Ala Ala Pro Tyr Val Gln Ala Phe Asp
 35 40 45
 Ser Leu Leu Ala Gly Pro Val Ala Glu Tyr Leu Lys Ile Ser Lys Glu
 50 55 60
 Ile Gly Gly Asp Val Gln Lys His Ala Glu Met Val His Thr Gly Leu
 65 70 75 80
 Lys Leu Glu Arg Ala Leu Leu Val Xaa Leu Leu Ser Val Asn Ser Gln
 85 90 95
 Gln Lys Ile Ser Phe Pro Ile Cys Trp His Pro
 100 105

<210> 5725
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 5725
 Met Ser Glu Pro Ile Arg Val Leu Val Thr Gly Ala Ala Gly Gln Ile
 1 5 10 15
 Ala Tyr Ser Leu Leu Tyr Ser Ile Gly Asn Gly Ser Val Phe Gly Lys
 20 25 30
 Asp Gln Pro Ile Ile Leu Val Leu Leu Asp Ile Thr Pro Met Met Gly
 35 40 45
 Val Leu Asp Gly Val Leu Met Glu Leu Gln Asp Cys Ala Leu Pro Leu
 50 55 60
 Leu Lys Asp Val Ile Ala Thr Asp Lys Glu Asp Val Ala Phe Lys Asp
 65 70 75 80
 Leu Asp Val Ala Ile Leu Val Gly Ser Met Pro Arg Arg Glu Gly Met
 85 90 95
 Glu Arg Lys Asp Leu Leu Lys Ala Asn Val Lys Ile Phe Lys Ser Gln
 100 105 110
 Gly Ala Ala Leu Asp Lys Tyr Ala Lys Lys Ser Val Lys Val Ile Val
 115 120 125
 Val Gly Asn Pro Ala Asn Thr Asn Cys Leu Thr Ala Ser Lys Ser Ala
 130 135 140
 Pro
 145

<210> 5726

<211> 276
 <212> PRT
 <213> Homo sapiens

<400> 5726
 Met Pro Asn Ile Lys Ile Phe Ser Gly Ser Ser His Gln Asp Leu Ser
 1 5 10 15
 Gln Lys Ile Ala Asp Arg Leu Gly Leu Glu Leu Gly Lys Val Val Thr
 20 25 30
 Lys Lys Phe Ser Asn Gln Glu Thr Cys Val Glu Ile Gly Glu Ser Val
 35 40 45
 Arg Gly Glu Asp Val Tyr Ile Val Gln Ser Gly Cys Gly Glu Ile Asn
 50 55 60
 Asp Asn Leu Met Glu Leu Leu Ile Met Ile Asn Ala Cys Lys Ile Ala
 65 70 75 80
 Ser Ala Ser Arg Val Thr Ala Val Ile Pro Cys Phe
 85 90

<210> 5727
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5727
 Met Val Ser Val Ile Asn Thr Val Asp Thr Ser His Glu Asp Met Ile
 1 5 10 15
 His Asp Ala Gln Met Asp Tyr Tyr Gly Thr Arg Leu Ala Thr Cys Ser
 20 25 30
 Ser Asp Arg Ser Val Lys Ile Phe Asp Val Arg Asn Gly Gly Gln Ile
 35 40 45
 Leu Ile Ala Asp Leu Arg Gly His Glu Gly Pro Val Trp Gln Val Ala
 50 55 60
 Trp Ala His Pro Met Tyr Gly Asn Ile Leu Ala Ser Cys Ser Tyr Asp
 65 70 75 80
 Arg Lys Val Ile Ile Trp Arg Glu Glu Asn Gly Thr Trp Glu Lys Ser
 85 90 95
 His Glu His Ala Gly His Asp Ser Ser Val
 100 105

<210> 5728
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5728
 Met Gly Asp Pro Gly Ser Glu Ile Ile Glu Ser Val Pro Pro Ala Gly
 1 5 10 15
 Pro Glu Ala Ser Glu Ser Thr Thr Asp Glu Asn Glu Asp Asp Ile Gln
 20 25 30
 Phe Val Ser Glu Gly Pro Ser Arg Pro Val Leu Glu Tyr Ile Asp Leu
 35 40 45
 Val Cys Gly Asp Asp Glu Asn
 50 55

<210> 5729
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5729
 Met Lys Arg Glu Arg Gly Ala Leu Ser Arg Ala Ser Arg Ala Leu Arg
 1 5 10 15
 Leu Ala Pro Phe Val Tyr Leu Leu Leu Ile Gln Thr Asp Pro Leu Glu
 20 25 30
 Gly Val Asn Ile Thr Ser Pro Val Arg Leu Ile His Gly Thr Val Gly
 35 40 45
 Lys Ser Ala Leu Leu Ser Val Gln Tyr Ser
 50 55

<210> 5730
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5730
 Met Ala Ala Glu Ser Asp Val Leu His Phe Gln Phe Glu Gln Gln Gly
 1 5 10 15
 Asp Val Val Leu Gln Lys Met Asn Leu Arg Gln Gln Asn Leu Phe
 20 25 30
 Cys Asp Val Ser Ile Tyr Ile Asn Asp Thr Glu Phe Gln Gly His Lys
 35 40 45
 Val Ile Leu Ala Ala Cys Ser Thr Phe Met Arg Asp Gln Phe Leu Leu
 50 55 60
 Thr Gln Ser Lys His Val Arg Ile Thr Ile Leu Gln Ser Ala Glu Val
 65 70 75 80
 Gly Arg Lys Leu Leu Leu Ser Cys Xaa Thr Gly Ala Leu Glu Val Lys
 85 90 95
 Arg Lys Glu Leu Leu Lys Tyr Leu
 100

<210> 5731
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 5731
 Met Thr Asp Thr Ala Glu Ala Val Pro Lys Phe Glu Glu Met Phe Ala
 1 5 10 15
 Ser Arg Phe Thr Glu Asn Asp Lys Glu Tyr Gln Glu Tyr Leu Lys Arg
 20 25 30
 Pro Pro Glu Ser Pro Pro Ile Val Glu Glu Trp Asn Ser Arg Ala Gly
 35 40 45
 Gly Asn Lys Glu Thr Glu Ala Ile Gly Cys Lys Thr Thr Asp Ser
 50 55 60

<210> 5732
 <211> 450
 <212> PRT

<213> Homo sapiens

<400> 5732

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Met Ala Gly Phe Gly Ala Met Glu Lys Phe Leu Val Glu Tyr Lys Ser
1          5          10          15
Ala Val Glu Lys Lys Leu Ala Glu Tyr Lys Cys Asn Thr Asn Thr Ala
          20          25          30
Ile Glu Leu Lys Leu Val Arg Phe Pro Glu Asp Leu Glu Asn Asp Ile
          35          40          45
Arg Thr Phe Phe Pro Glu Tyr Thr His Gln Leu Phe Gly Asp Asp Glu
          50          55          60
Thr Ala Phe Gly Tyr Lys Gly Leu Lys Ile Leu Leu Tyr Tyr Ile Ala
65          70          75          80
Gly Ser Leu Ser Thr Met Phe Arg Val Glu Tyr Ala Ser Lys Val Asp
          85          90          95
Glu Asn Phe Asp Cys Val Glu Xaa Asp Asp Val Glu Gly Lys Ile Arg
          100          105          110
Gln Ile Ile Pro Pro Gly Phe Cys Thr Asn Thr Asn Asp Phe Leu Ser
          115          120          125
Leu Leu Glu Lys Glu Val Asp Phe Lys Pro Phe Gly Thr Leu Leu His
          130          135          140
Thr Tyr Ser Val Leu Ser
145          150

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<210> 5733

<211> 342

<212> PRT

<213> Homo sapiens

<400> 5733

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Met Lys Leu Val Arg Phe Leu Met Lys Leu Ser His Glu Thr Val Thr
1          5          10          15
Ile Glu Leu Lys Asn Gly Thr Gln Val His Gly Thr Ile Thr Gly Val
          20          25          30
Asp Val Ser Met Asn Thr His Leu Lys Ala Val Lys Met Thr Leu Lys
          35          40          45
Asn Arg Glu Pro Val Gln Leu Glu Thr Leu Ser Ile Arg Gly Asn Asn
          50          55          60
Ile Arg Tyr Phe Ile Leu Pro Asp Ser Leu Pro Leu Asp Thr Leu Leu
65          70          75          80
Val Asp Val Glu Pro Lys Val Lys Ser Lys Lys Arg Glu Ala Val Ala
          85          90          95
Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg
          100          105          110
Xaa Arg

```

<210> 5734

<211> 399

<212> PRT

<213> Homo sapiens

<400> 5734

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Met Ala Ser Thr Asp Tyr Ser Thr Tyr Ser Gln Ala Ala Ala His Arg
1          5          10          15

```

Ala Thr Val Leu Thr Pro Pro Ser Pro Leu Lys Asp Met His Arg Pro
 20 25 30
 Pro Arg His Met Gly Asn Lys Ala Met Glu Pro Met Asp Ser Pro Leu
 35 40 45
 Met Ser Ala Ile Pro Arg Leu Arg Pro Leu Gln Pro Met Gly Arg Pro
 50 55 60
 Pro Met Gln Leu Leu Met Asp Ser Leu Pro Leu Val Ile Leu Leu Gln
 65 70 75 80
 Leu Pro Pro Arg His Thr Ala Ser Leu Ser Arg Gly Met Ala Leu Val
 85 90 95
 Leu Met Ile Pro Pro Leu Leu Gln Ser Pro Pro Pro Arg Pro Pro Met
 100 105 110
 Gln Leu Ser Leu His Met Ala Leu Ser Leu Leu Ile Gln Pro Met Gly
 115 120 125
 Ser Ser Gln Gln Pro
 130

<210> 5735
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 5735
 Met Asp Val Glu Asn Glu Gln Ile Leu Asn Val Asn Pro Ala Asp Pro
 1 5 10 15
 Asp Asn Leu Ser Asp Ser Leu Phe Ser Gly Asp Glu Glu Asn Ala Gly
 20 25 30
 Thr Glu Glu Val Lys Xaa Glu Ile Xaa Gly Asn Trp Ile Ser Ala Ser
 35 40 45
 Ser Ile Asn Glu Ala Arg Ile Asn Ala Lys Ala Lys Arg
 50 55 60

<210> 5736
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 5736
 Met Glu Thr Val Ile Ser Ser Asp Ser Ser Pro Ala Val Glu Asn Glu
 1 5 10 15
 His Pro Gln Glu Thr Pro Glu Ser Asn Asn Ser Val Tyr Thr Ser Phe
 20 25 30
 Met Lys Ser His Arg Cys Tyr Asp Leu Ile Pro Thr Ser Ser Lys Leu
 35 40 45
 Val Val Phe Asp Thr Ser Leu Gln Val Lys Lys Ala Phe Phe Ala Leu
 50 55 60
 Val Thr Asn Gly Val Arg Ala Ala Pro Leu Trp Asp Ser Lys Lys Gln
 65 70 75 80
 Ser Phe Val Gly Met Leu Thr Ile Thr Asp Phe Ile Asn Ile Leu His
 85 90 95
 Arg Tyr Tyr Lys Ser
 100

<210> 5737

<211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5737
 Met Ser Leu His Gly Ala Ser Gly Gly His Xaa Arg Ser Arg Asp Arg
 1 5 10 15
 Arg Arg Xaa Ser Asp Arg Ser Arg Asp Ser Ser His Glu Arg Thr Xaa
 20 25 30
 Ser Gln Leu Thr Pro Cys Ile Arg Asn Val Thr Ser Pro Thr Arg Gln
 35 40 45
 Xaa His Val Glu Arg Glu Lys Asp Xaa Ser Ser Ser Arg Pro Ser Ser
 50 55 60
 Xaa Arg Pro Gln Lys Ala Ser Pro Asn Gly Ser Ile Ser Ser Xaa Gly
 65 70 75 80
 Xaa

<210> 5738
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 5738
 Met Glu Pro Phe Ile Leu Arg Trp Arg Gly Leu Ser Phe Ala Val Leu
 1 5 10 15
 Ala Glu Asn Asp Arg Ala Pro Glu Asn Asp Leu Glu Val Arg Phe Asp
 20 25 30
 Phe Lys Val Val Leu Thr Gly Arg Ala Arg Cys Leu Thr Pro Val Ile
 35 40 45
 Leu Ala Leu Trp Xaa Ala Glu Val Gly Gly Ser Pro Glu Val Arg Ser
 50 55 60
 Ser Xaa Pro Gly Leu Thr Asn Met Val Lys Pro Val Ser Thr Lys Asn
 65 70 75 80
 Thr Asn Ile Ser Arg Ala Trp Trp Arg Ala Phe
 85 90

<210> 5739
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 5739
 Met Ala Ser Ile Met Glu Gly Pro Leu Ser Lys Trp Thr Asn Val Met
 1 5 10 15
 Lys Gly Trp Gln Tyr Arg Trp Phe Val Leu Asp Tyr Asn Ala Gly Leu
 20 25 30
 Leu Ser Tyr Tyr Thr Ser Lys Asp Lys Met Met Arg Gly Ser Arg Arg
 35 40 45
 Gly Cys Val Arg Leu Arg Gly Ala Val Ile Gly Ile Asp Asp Glu Asp
 50 55 60
 Asp
 65

<210> 5740

<211> 387
 <212> PRT
 <213> Homo sapiens

<400> 5740

Met	Met	Pro	Thr	Pro	Val	Ile	Leu	Leu	Lys	Glu	Gly	Thr	Asp	Ser	Ser
1				5					10					15	
Gln	Gly	Ile	Pro	Gln	Leu	Val	Ser	Asn	Ile	Ser	Ala	Cys	Gln	Val	Ile
			20					25					30		
Ala	Glu	Ala	Val	Arg	Thr	Thr	Leu	Gly	Pro	Arg	Gly	Met	Asp	Lys	Leu
			35				40					45			
Ile	Val	Asp	Gly	Arg	Gly	Lys	Ala	Thr	Ile	Ser	Asn	Asp	Gly	Ala	Thr
			50			55					60				
Ile	Leu	Lys	Leu	Leu	Asp	Val	Val	His	Pro	Ala	Ala	Lys	Thr	Leu	Val
65					70					75				80	
Asp	Ile	Ala	Lys	Ser	Gln	Asp	Ala	Glu	Val	Gly	Asp	Gly	Thr	Thr	Ser
			85					90						95	
Val	Thr	Leu	Leu	Ala	Ala	Glu	Phe	Leu	Lys	Gln	Val	Lys	Xaa	Tyr	Val
			100					105					110		
Glu	Glu	Gly	Leu	His	Pro	Gln	Ile	Ile	Ile	Arg	Ala	Phe	Arg	Thr	Ala
			115				120					125			
Thr															

<210> 5741
 <211> 459
 <212> PRT
 <213> Homo sapiens

<400> 5741

Met	Met	Asp	Ser	Gln	Leu	Val	Ala	Gly	Val	Ala	Phe	Lys	Lys	Thr	Phe
1				5					10					15	
Ser	Tyr	Ala	Gly	Phe	Glu	Met	Gln	Pro	Lys	Lys	Tyr	His	Asn	Pro	Lys
			20					25					30		
Ile	Ala	Leu	Leu	Asn	Val	Glu	Leu	Glu	Leu	Lys	Ala	Glu	Lys	Asp	Asn
			35				40					45			
Ala	Glu	Ile	Arg	Val	His	Thr	Val	Glu	Asp	Tyr	Gln	Ala	Ile	Val	Asp
			50			55					60				
Ala	Glu	Trp	Asn	Ile	Leu	Tyr	Asp	Lys	Leu	Glu	Lys	Ile	His	His	Ser
65					70					75				80	
Gly	Ala	Lys	Val	Val	Leu	Ser	Lys	Leu	Pro	Ile	Gly	Asp	Val	Ala	Thr
			85					90					95		
Gln	Tyr	Phe	Ala	Asp	Arg	Asp	Met	Phe	Cys	Ala	Gly	Arg	Val	Pro	Glu
			100				105						110		
Glu	Asp	Leu	Lys	Arg	Thr	Met	Met	Ala	Cys	Gly	Gly	Ser	Ile	Gln	Thr
			115			120						125			
Ser	Val	Asn	Ala	Leu	Ser	Ala	Asp	Val	Leu	Gly	Arg	Cys	Gln	Val	Phe
			130			135					140				
Glu	Glu	Thr	Gln	Ile	Gly	Gly	Glu	Arg							
145					150										

<210> 5742
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 5742

Met	Ser	Ser	Phe	Ser	Arg	Ala	Pro	Gln	Gln	Trp	Ala	Thr	Phe	Ala	Arg
1			5					10					15		
Ile	Trp	Tyr	Leu	Leu	Asp	Gly	Lys	Met	Gln	Pro	Pro	Gly	Lys	Leu	Ala
		20					25					30			
Ala	Met	Ala	Ser	Ile	Arg	Leu	Gln	Gly	Leu	His	Lys	Pro	Val	Tyr	His
	35					40					45				
Ala	Leu	Ser	Asp	Cys	Gly	Asp	His	Val	Val	Ile	Met	Asn	Thr	Arg	His
	50				55					60					
Ile	Ala	Phe	Ser	Gly	Asn	Lys	Trp	Glu	Gln	Lys	Val	Tyr	Ser	Ser	His
65					70				75					80	
Thr	Gly	Tyr	Pro	Gly	Gly	Phe	Arg	Gln	Val	Thr	Ala	Ala	Gln	Leu	His
			85					90					95		
Leu	Arg	Asp	Pro	Val	Ala	Ile	Val	Lys	Leu	Ala	Ile	Tyr	Gly	Met	Leu
			100					105					110		
Pro	Lys	Asn	Leu	His	Arg	Arg	Thr	Met							
			115				120								

<210> 5743

<211> 381

<212> PRT

<213> Homo sapiens

<400> 5743

Met	Gln	Tyr	Ser	His	His	Cys	Glu	His	Leu	Leu	Glu	Arg	Leu	Asn	Lys
1			5					10					15		
Gln	Arg	Glu	Ala	Gly	Phe	Leu	Cys	Asp	Cys	Thr	Ile	Val	Ile	Gly	Glu
		20					25					30			
Phe	Gln	Phe	Lys	Ala	His	Arg	Asn	Val	Leu	Ala	Ser	Phe	Ser	Glu	Tyr
	35					40					45				
Phe	Gly	Ala	Ile	Tyr	Arg	Ser	Thr	Ser	Glu	Asn	Asn	Val	Phe	Leu	Asp
	50				55				60						
Gln	Ser	Gln	Val	Lys	Ala	Asp	Gly	Phe	Gln	Lys	Leu	Leu	Glu	Phe	Ile
65				70				75					80		
Tyr	Thr	Gly	Thr	Leu	Asn	Leu	Asp	Ser	Trp	Asn	Val	Lys	Glu	Ile	His
			85					90					95		
Gln	Ala	Ala	Asp	Tyr	Leu	Lys	Val	Glu	Glu	Val	Val	Thr	Lys	Cys	Lys
			100					105				110			
Ile	Xaa	Met	Glu	Asp	Phe	Ala	Phe	Ile	Ala	Asn	Pro	Ser	Ser	Thr	
		115					120					125			

<210> 5744

<211> 264

<212> PRT

<213> Homo sapiens

<400> 5744

Met	Pro	Ser	Arg	Lys	Phe	Ala	Asp	Gly	Glu	Val	Val	Arg	Gly	Arg	Trp
1			5					10					15		
Pro	Gly	Ser	Ser	Leu	Tyr	Tyr	Glu	Val	Glu	Ile	Leu	Ser	His	Asp	Ser
		20					25					30			
Thr	Ser	Gln	Leu	Tyr	Thr	Val	Lys	Tyr	Lys	Asp	Gly	Thr	Glu	Leu	Glu
		35				40					45				

Leu Lys Glu Asn Asp Ile Lys Pro Leu Thr Ser Phe Arg Gln Arg Lys
 50 55 60
 Gly Gly Ser Asn Xaa Ser Ser Pro Ser Arg Arg Arg Gly Ser Arg Ser
 65 70 75 80
 Arg Ser Arg Ser Arg Ser Pro Gly
 85

<210> 5745
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5745
 Met Pro Ser Val Ser Lys Ala Ala Ala Ala Ala Leu Ser Gly Ser Pro
 1 5 10 15
 Pro Gln Thr Glu Lys Pro Thr His Tyr Arg Tyr Leu Lys Glu Phe Arg
 20 25 30
 Thr Glu Gln Cys Pro Leu Phe Ser Gln His Lys Cys Ala Gln Thr Gly
 35 40 45
 Arg Ser Pro Ala Ser Thr Gly Thr Ser Ser Thr Ser Gly Ala Ala Gly
 50 55 60
 Pro Pro Gln Ala Arg Arg His Leu Gln Leu Gln
 65 70 75

<210> 5746
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5746
 Met Ala Met Phe Glu Gln Met Arg Ala Asn Val Gly Lys Leu Leu Lys
 1 5 10 15
 Gly Ile Asp Arg Tyr Asn Pro Glu Asn Leu Ala Thr Leu Glu Arg Tyr
 20 25 30
 Val Glu Thr Gln Ala Lys Glu Asn Ala Tyr Asp Leu Glu Ala Asn Leu
 35 40 45
 Ala Val Leu Lys Leu Tyr Gln Phe Asn Pro Ala Phe Phe Gln Thr Thr
 50 55 60
 Val Thr Ala Gln Ile Leu Leu Lys Ala Leu Thr Asn Leu Pro His Thr
 65 70 75 80
 Asp Phe Thr Leu Cys Lys Cys Met Ile Asp Gln Ala His Gln Glu Glu
 85 90 95
 Arg Pro Ile Arg Gln Ile Leu Tyr Ser Gly
 100 105

<210> 5747
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 5747
 Met Asp Pro Arg Lys Val Asn Glu Leu Arg Ala Phe Val Lys Met Cys
 1 5 10 15
 Lys Gln Asp Pro Ser Val Leu His Thr Glu Glu Met Arg Phe Leu Arg

35 40 45
 Asp Glu Ile Phe Thr Asn Asp
 50 55

<210> 5751
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 5751
 Met Gly Ser Ala Gly Leu Ser Arg Leu His Gly Leu Phe Ala Val Tyr
 1 5 10 15
 Lys Pro Pro Gly Leu Lys Trp Lys His Leu Arg Asp Thr Val Glu Leu
 20 25 30
 Gln Leu Leu Lys Gly Leu Asn Ala Arg Lys Pro Pro Ala Pro Lys Gln
 35 40 45
 Arg Val Arg Phe Leu Leu Gly Pro Met Glu Gly Ser Glu Glu Lys Glu
 50 55 60
 Leu Thr Leu Thr Ala Thr Ser Val Pro Ser Phe Ile Asn His Pro Leu
 65 70 75 80
 Val Cys Gly Pro Ala Phe Ala His Leu Lys Val Gly Val Gly His Arg
 85 90 95
 Leu Asp Ala Gln Ala Ser Gly Val Leu Val Leu Gly Val Gly His Gly
 100 105 110
 Cys Arg Leu Leu Thr Asp Met Tyr Asn Ala His Leu Thr Lys Asp Tyr
 115 120 125
 Thr Val His
 130

<210> 5752
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5752
 Met Glu Ala Pro Leu Val Gln Gln Pro Leu Leu Gln Phe Arg Pro Gln
 1 5 10 15
 Ser Gln Asp Thr Arg Glu Trp Ser Ser Asn Gln Pro Pro Leu Thr Ala
 20 25 30
 Thr Lys Lys Ser Thr Leu Lys Pro Gln Pro Ala Pro Gln Ala Gly Pro
 35 40 45
 Ile Pro Val Ala Pro Ile Gly Thr Leu Lys Pro Gln Pro Gln Pro Val
 50 55 60
 Pro Ala Ser Tyr Thr Thr Ala Ser Thr Ser Ser Arg
 65 70 75

<210> 5753
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 5753
 Met Lys Leu Lys Asp Thr Lys Ser Arg Pro Lys Gln Ser Ser Cys Gly
 1 5 10 15

Lys Phe Gln Thr Lys Gly Ile Lys Val Val Gly Lys Trp Lys Glu Val
 20 25 30
 Lys Ile Asp Pro Asn Met Phe Ala Asp Gly Gln Met Asp Asp Leu Val
 35 40 45
 Cys Phe Glu Glu Leu Thr Asp Tyr Gln Leu Val Ser Pro Ala Lys Asn
 50 55 60
 Pro Ser Ser Leu Phe Ser Lys Glu Ala Pro Lys Arg Lys Ala Gln Ala
 65 70 75 80
 Val Ser Glu Glu Glu Glu Glu Glu Gly Lys Ser Ser Ser Pro Lys
 85 90 95
 Lys Lys Ile Lys Leu Lys Lys Ser Lys Asn Val Ala Thr Glu Gly Thr
 100 105 110
 Ser Thr

<210> 5754
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 5754
 Met Ala Cys Pro Ala Leu Gly Leu Glu Ala Leu Gln Pro Leu Gln Pro
 1 5 10 15
 Glu Pro Pro Pro Glu Pro Ala Phe Ser Glu Ala Gln Lys Trp Ile Glu
 20 25 30
 Gln Val Thr Gly Arg Ser Phe Gly Asp Lys Asp Phe Arg Thr Gly Leu
 35 40 45
 Glu Asn Gly Ile Leu Leu Cys Glu Leu Leu Asn Ala Ile Lys Pro Gly
 50 55 60
 Leu Val Lys Lys Ile Asn Arg Leu Pro Thr Pro Ile Ala Gly Leu Asp
 65 70 75 80
 Asn Ile Ile Leu Phe Leu Arg Gly Cys Lys Glu Leu Gly Leu Lys Glu
 85 90 95
 Ser Gln Leu Phe Asp Pro Ser Asp Leu Gln Asp Thr Ser Asn Arg
 100 105 110

<210> 5755
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5755
 Met Ala Gln Lys Met Asp Cys Gly Ala Gly Leu Leu Gly Phe Gln Ala
 1 5 10 15
 Glu Ala Ser Val Glu Asp Ser Ala Leu Leu Met Gln Thr Leu Met Glu
 20 25 30
 Ala Ile Gln Ile Ser Glu Ala Pro Pro Thr Asn Gln Ala Thr Ala Ala
 35 40 45
 Ala Ser Pro Gln Ser Ser Gln Pro Pro Thr Ala Asn Glu Met Ala Asp
 50 55 60
 Ile Gln Val Ser Ala Ala Ala Arg Leu Ser Gln Pro Leu Lys Ser
 65 70 75 80
 Arg Met Pro Pro Gln Lys Ala Xaa Met Val Ser Met Ile Ser Leu Arg
 85 90 95
 Leu Ile Met Pro Arg Met Cys Pro Thr His

100

105

<210> 5756
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 5756
 Met Ser Lys Lys Glu Met Ile Ala Gln Gln Arg Glu Tyr Lys Lys Lys
 1 5 10 15
 Lys Ala Leu Lys Lys Ala Gln Arg Ile Lys Glu Leu Glu Gln Glu Arg
 20 25 30
 Glu Asp Gln Lys Val Lys Trp Gln His Ser Thr Thr Glu Pro Ile Leu
 35 40 45
 Lys Thr Lys Lys
 50

<210> 5757
 <211> 267
 <212> PRT
 <213> Homo sapiens

<400> 5757
 Met Ala Ala Ser Ser Arg Ala Gln Val Leu Ser Leu Tyr Arg Ala Met
 1 5 10 15
 Leu Arg Glu Ser Lys Arg Phe Ser Ala Tyr Asn Tyr Arg Thr Tyr Ala
 20 25 30
 Val Arg Arg Ile Arg Asp Ala Phe Arg Glu Asn Lys Asn Val Lys Asp
 35 40 45
 Pro Val Glu Ile Gln Thr Leu Val Asn Lys Ala Lys Arg Asp Leu Gly
 50 55 60
 Val Ile Arg Arg Gln Val His Ile Gly Gln Leu Tyr Ser Thr Asp Lys
 65 70 75 80
 Leu Ile Ile Glu Asn Arg Asp Met Pro
 85

<210> 5758
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 5758
 Met Ala Ala Ser Ser Arg Ala Gln Val Leu Ser Leu Tyr Arg Ala Met
 1 5 10 15
 Leu Arg Glu Ser Lys Arg Phe Ser Ala Tyr Asn Tyr Arg Thr Tyr Ala
 20 25 30
 Val Arg Arg Ile Arg Asp Ala Phe Arg Glu Asn Lys Asn Val Lys Asp
 35 40 45
 Pro Val Glu Ile Gln Thr Leu Val Asn Lys Ala Lys Arg Asp Leu Gly
 50 55 60
 Val Ile Arg Arg Gln Val His Ile Gly Gln Leu Tyr Ser Thr Asp Lys
 65 70 75 80
 Arg Lys Thr Lys Thr Thr Asn Phe Pro Arg Leu Thr Thr Thr Thr Val
 85 90 95

<210> 5759
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 5759
 Met Leu Val Asn Val Leu Asn Ile Cys Ser Asp Asp Glu Leu Gly Ser
 1 5 10 15
 Glu Glu Asp Gly Phe Asp Gly Ala Thr Ala Ala Ala Arg Lys Glu Val
 20 25 30
 Ile Arg Asn Lys Ile Arg Ala Ile Gly Lys Met Ala Arg Val Phe Ser
 35 40 45
 Val Leu Arg Glu Glu Ser Glu Ser Val Leu Thr Leu Lys Gly Leu Thr
 50 55 60
 Pro Thr Gly Met Leu Pro Ser Gly Val Leu Ser Gly Gly Lys Gln Thr
 65 70 75 80
 Leu Gln Ser Ala Ile Lys Gly Phe Ser Pro Gln His Lys Ile Thr Ser
 85 90 95
 Phe Glu Glu Ala Lys Gly Leu Asp Arg Ile Asn Glu Arg Met Pro Pro
 100 105 110
 Arg Arg Asp Ala Met Pro Ser Asp Ala Asn Leu Asn Ser
 115 120 125

<210> 5760
 <211> 423
 <212> PRT
 <213> Homo sapiens

<400> 5760
 Met Thr Ala Trp Thr Met Gly Ala Arg Gly Leu Asp Lys Arg Gly Ser
 1 5 10 15
 Phe Phe Lys Leu Ile Asp Thr Ile Ala Ser Glu Ile Gly Glu Leu Lys
 20 25 30
 Gln Glu Met Val Arg Thr Asp Val Asn Leu Glu Asn Gly Leu Glu Pro
 35 40 45
 Ala Glu Thr His Ser Met Val Arg His Lys Asp Gly Gly Tyr Ser Glu
 50 55 60
 Glu Glu Asp Val Lys Thr Xaa Ala Arg Asp Ser Gly Tyr Asp Ser Leu
 65 70 75 80
 Ser Asn Arg Leu Ser Ile Leu Asp Arg Leu Leu His Thr His Pro Ile
 85 90 95
 Trp Leu Gln Leu Ser Leu Ser Glu Glu Glu Ala Ala Glu Val Leu Gln
 100 105 110
 Ala Gln Pro Pro Gly Ile Phe Leu Val His Lys Ser Thr Lys Met Gln
 115 120 125
 Lys Lys Val Leu Ser Leu Arg Leu Pro Cys Glu Phe Gly
 130 135 140

<210> 5761
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 5761

Met Lys Val Val Asn Leu Lys Gln Ala Ile Leu Gln Ala Trp Lys Glu
1 5 10 15
Arg Trp Ser Asp Tyr Gln Trp Ala Ile Asn Met Lys Lys Phe Phe Pro
20 25 30
Lys Gly Ala Xaa Trp Asp Ile Leu Asn Leu Ala Asp Ala Leu Leu Glu
35 40 45
Gln Xaa Met Ile Gly Pro Ser Pro Asn Pro Leu Ile Leu Ser Tyr Leu
50 55 60
Lys Tyr Ala Ile Ser Ser Gln Met Val Ser Tyr Ser Ser Val Leu Thr
65 70 75 80
Ala Ile Ser Lys Phe Asp Asp Phe Ser Arg Asp Leu Cys Val Gln Ala
85 90 95
Leu Leu Asp Ile Met Asp Met Phe Cys Asp Arg Leu Ser Cys His Gly
100 105 110

<210> 5762

<211> 375

<212> PRT

<213> Homo sapiens

<400> 5762

Met Ala Pro Tyr Ser Leu Leu Val Thr Arg Leu Gln Lys Ala Leu Gly
1 5 10 15
Val Arg Gln Tyr His Val Ala Ser Val Leu Cys Gln Arg Ala Lys Val
20 25 30
Ala Met Ser His Phe Glu Pro Asn Glu Tyr Ile His Tyr Asp Leu Leu
35 40 45
Glu Lys Asn Ile Asn Ile Val Arg Lys Arg Leu Asn Arg Pro Leu Thr
50 55 60
Leu Ser Glu Lys Ile Val Tyr Gly His Leu Asp Asp Pro Ala Ser Gln
65 70 75 80
Glu Ile Glu Arg Gly Lys Ser Tyr Leu Arg Leu Arg Pro Asp Arg Val
85 90 95
Ala Met Gln Asp Ala Thr Ala Gln Met Ala Met Leu Gln Phe Ile Ser
100 105 110
Ser Gly Leu Ser Lys Val Ala Val His Pro Pro Ser Thr
115 120 125

<210> 5763

<211> 360

<212> PRT

<213> Homo sapiens

<400> 5763

Met Ala Glu Cys Gly Ala Ser Gly Thr Xaa Ser Ser Gly Asp Ser Leu
1 5 10 15
Asp Lys Ser Ile Thr Leu Pro Pro Asp Glu Ile Phe Arg Asn Leu Glu
20 25 30
Asn Ala Lys Arg Phe Ala Ile Asp Ile Gly Gly Ser Leu Thr Lys Leu
35 40 45
Ala Tyr Tyr Ser Thr Val Gln His Lys Val Ala Lys Val Arg Ser Phe
50 55 60
Asp His Ser Gly Lys Asp Thr Glu Arg Glu His Glu Pro Pro Tyr Glu

65		70		75		80									
Ile	Ser	Val	Gln	Glu	Glu	Ile	Thr	Ala	Arg	Leu	His	Phe	Ile	Lys	Phe
			85						90					95	
Glu	Asn	Thr	Tyr	Ile	Glu	Ala	Cys	Leu	Asp	Phe	Ile	Glu	Asp	His	Leu
			100					105						110	
Val	Asn	Thr	Glu	Thr	Lys	Val	Ile								
			115				120								

<210> 5764
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 5764															
Met	Asp	Gln	Cys	Arg	His	Thr	Trp	Xaa	Gln	Xaa	Asn	Trp	Asn	Xaa	Glu
1			5					10					15		
Ala	Ala	Xaa	Gln	Asp	Arg	Leu	Asn	Glu	Xaa	Glu	Gly	Val	Pro	Ser	Val
			20				25					30			
Phe	Asn	Pro	Pro	Pro	Ser	Arg	Pro	Leu	Gln	Val	Asn	Thr	Ala	Asp	His
		35				40					45				
Arg	Ile	Tyr	Ser	Tyr	Val	Val	Ser	Arg	Pro	Gln	Pro	Arg	Gly	Leu	Leu
	50				55						60				
Xaa	Trp	Gly	Tyr	Tyr	Leu	Ile	Met								
65					70										

<210> 5765
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 5765															
Met	His	Gln	Phe	Gln	Leu	Asp	Ile	Thr	Val	Lys	Met	Gly	Arg	Xaa	Lys
1			5					10					15		
Val	Arg	Glu	Met	Xaa	Met	Lys	Asn	Ala	His	Val	Thr	Asp	Pro	Arg	Val
		20				25						30			
Val	Asp	Leu	Leu	Val	Ile	Lys	Gly	Lys	Ile	Glu	Leu	Xaa	Glu	Thr	Ile
	35				40						45				
Lys	Ser	Met	Glu	Ala	Ala	Asp	Thr	Cys	Xaa	Ala	Val	Leu	Pro	Xaa	Lys
	50				55						60				
Gln	Lys	Arg	Gln	Gly	Xaa	Lys	Asp	Phe	Leu	Ser	Lys	Phe	Xaa	Val	Gly
65			70					75						80	
His	Glu	Ser	Met	Lys	Ser	Phe	Ser	Gly	Lys	Met	His	Val	Asp	Thr	Ile
			85					90						95	
Leu	Glu														

<210> 5766
 <211> 285
 <212> PRT
 <213> Homo sapiens

<400> 5766															
Met	Ala	Ala	Ala	Val	Leu	Gly	Gln	Leu	Gly	Ala	Leu	Trp	Ile	His	Asn
1			5					10				15			
Leu	Arg	Ser	Arg	Gly	Lys	Leu	Ala	Leu	Gly	Val	Leu	Pro	Gln	Ser	Tyr

85 90 95
 Asp Val Val Ile Leu Tyr Asp Ser Xaa Trp Asn Pro Gln Val Asp Leu
 100 105 110
 Gln Ala

<210> 5769
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5769
 Met Ile Val Gln Met Glu Thr His Met Leu His Lys Asp Ile Pro Val
 1 5 10 15
 Glu His Gly Ser Met Ala Ala Asp Arg Gln Pro Pro Leu Ser Ala Pro
 20 25 30
 Ala Ser Ala Leu Arg Thr Ala Val Pro Xaa Met Ser Ala Leu Leu Phe
 35 40 45
 Cys Thr Ala Arg Ser Pro Glu Thr Glu Pro
 50 55

<210> 5770
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 5770
 Met Ala Val Ser Glu Ser Gln Leu Lys Lys Met Val Ser Lys Tyr Lys
 1 5 10 15
 Tyr Arg Asp Leu Thr Val Arg Glu Thr Val Asn Val Ile Thr Leu Tyr
 20 25 30
 Lys Asp Leu Lys Pro Val Leu Asp Ser Tyr Val Phe Asn Asp Gly Ser
 35 40 45
 Ser Arg Glu Leu Met Asn Leu Thr Gly Thr Ile Pro Val Pro Tyr Arg
 50 55 60
 Gly Asn Thr Tyr Asn Ile Pro Ile Cys Leu Trp Leu Leu Asp Thr Tyr
 65 70 75 80
 Pro Tyr Asn Pro Pro Ile Cys Phe Val Lys
 85 90

<210> 5771
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 5771
 Met Asp Thr Pro Glu Asn Val Leu Gln Met Leu Glu Ala His Met Gln
 1 5 10 15
 Ser Tyr Lys Gly Asn Asp Pro Leu Gly Glu Trp Glu Arg Tyr Ile Gln
 20 25 30
 Trp Val Glu Glu Asn Phe Pro Glu Asn Lys Glu Tyr Leu Ile Thr Leu
 35 40 45
 Leu Glu His Leu Met Lys Glu Phe Leu Asp Lys Lys Lys Tyr His Asn
 50 55 60
 Asp Pro Arg Phe Ile Ser Tyr Cys Leu Lys Phe Ala Glu

65

70

75

<210> 5772

<211> 276

<212> PRT

<213> Homo sapiens

<400> 5772

Met	Ser	Val	Pro	Gly	Pro	Tyr	Gln	Ala	Ala	Thr	Gly	Pro	Ser	Ser	Ala
1				5					10					15	
Pro	Ser	Ala	Pro	Pro	Ser	Tyr	Glu	Glu	Thr	Val	Ala	Val	Asn	Ser	Tyr
			20					25					30		
Tyr	Pro	Thr	Pro	Pro	Ala	Pro	Met	Pro	Gly	Pro	Thr	Thr	Gly	Leu	Val
		35					40					45			
Thr	Gly	Pro	Asp	Gly	Lys	Gly	Met	Asn	Pro	Pro	Ser	Tyr	Tyr	Thr	Gln
	50					55					60				
Pro	Ala	Pro	Ile	Pro	Asn	Asn	Asn	Pro	Ser	Thr	Cys	Gly	Leu	Pro	Gly
65					70					75					80
Pro	Pro	Tyr	His	Ser	Leu	Ala	Leu	His	Pro	Gly	Asn				
				85					90						

<210> 5773

<211> 282

<212> PRT

<213> Homo sapiens

<400> 5773

Met	Ala	Ala	Ala	Ala	Asp	Glu	Arg	Ser	Pro	Glu	Asp	Gly	Glu	Asp	Glu
1				5					10					15	
Glu	Glu	Glu	Glu	Gln	Leu	Val	Leu	Val	Glu	Leu	Ser	Gly	Ile	Ile	Asp
			20					25					30		
Ser	Asp	Phe	Leu	Ser	Lys	Cys	Glu	Asn	Lys	Cys	Lys	Val	Leu	Gly	Ile
		35					40					45			
Asp	Thr	Glu	Arg	Pro	Ile	Leu	Gln	Val	Asp	Ser	Cys	Val	Phe	Ala	Gly
	50					55					60				
Glu	Tyr	Glu	Asp	Thr	Leu	Gly	Thr	Cys	Val	Ile	Phe	Glu	Glu	Asn	Val
65					70					75					80
Glu	His	Ala	Asp	Thr	Glu	Gly	Asn	Asn	Lys	Thr	Val	Leu	Lys		
				85					90						

<210> 5774

<211> 381

<212> PRT

<213> Homo sapiens

<400> 5774

Met	Ala	Asp	Leu	Thr	Ser	Val	Leu	Thr	Ser	Val	Met	Phe	Ser	Pro	Ser
1				5					10					15	
Ser	Lys	Met	Phe	Ile	Gly	Gly	Leu	Ser	Trp	Gln	Thr	Ser	Pro	Asp	Ser
		20						25					30		
Leu	Arg	Asp	Tyr	Phe	Ser	Lys	Phe	Gly	Glu	Ile	Arg	Glu	Cys	Met	Val
		35					40					45			
Met	Arg	Asp	Pro	Thr	Thr	Lys	Arg	Ser	Arg	Gly	Phe	Gly	Phe	Val	Thr
	50					55					60				

Phe Ala Asp Pro Ala Ser Val Asp Lys Val Leu Gly Gln Pro His His
65 70 75 80
Glu Leu Asp Ser Lys Thr Ile Asp Pro Lys Val Ala Phe Pro Xaa Arg
85 90 95
Ala Gln Pro Lys Met Val Thr Arg Thr Lys Lys Ile Phe Val Gly Gly
100 105 110
Leu Ser Ala Asn Thr Val Val Glu Asp Val Lys Gln Tyr Phe Glu
115 120 125

<210> 5775
<211> 384
<212> PRT
<213> Homo sapiens

<400> 5775
Met Ala Lys Thr Tyr Asp Tyr Leu Phe Lys Leu Leu Leu Ile Gly Asp
1 5 10 15
Ser Gly Val Gly Lys Thr Cys Val Leu Phe Arg Phe Ser Glu Asp Ala
20 25 30
Phe Asn Ser Thr Phe Ile Ser Thr Ile Gly Ile Asp Phe Lys Ile Arg
35 40 45
Thr Ile Glu Leu Asp Gly Lys Arg Ile Lys Leu Gln Ile Trp Asp Thr
50 55 60
Ala Gly Gln Glu Arg Phe Arg Thr Ile Thr Thr Ala Tyr Tyr Arg Gly
65 70 75 80
Ala Met Gly Ile Met Leu Val Tyr Asp Ile Thr Asn Glu Lys Ser Phe
85 90 95
Asp Asn Ile Arg Asn Trp Ile Arg Asn Ile Glu Glu His Ala Ser Ala
100 105 110
Asp Val Glu Lys Met Ile Leu Gly Asn Lys Cys Asp Val Asn Asp Lys
115 120 125

<210> 5776
<211> 213
<212> PRT
<213> Homo sapiens

<400> 5776
Met Lys Glu Asn Lys Glu Asn Ser Ser Pro Ser Val Thr Ser Ala Asn
1 5 10 15
Leu Asp His Thr Lys Pro Cys Trp Tyr Trp Asp Lys Lys Asp Leu Ala
20 25 30
His Thr Pro Ser Gln Leu Glu Gly Leu Asp Pro Ala Thr Glu Ala Arg
35 40 45
Tyr Arg Arg Glu Gly Ala Arg Phe Ile Phe Asp Val Gly Thr Arg Leu
50 55 60
Gly Leu His Tyr Asp Thr Leu
65 70

<210> 5777
<211> 342
<212> PRT
<213> Homo sapiens

<400> 5777

Met Arg Val Pro Arg Asn Pro Thr Ile Gly Asp Lys Phe Ala Ser Arg
 1 5 10 15
 His Gly Gln Lys Gly Ile Leu Ser Arg Leu Trp Pro Ala Glu Asp Met
 20 25 30
 Pro Phe Thr Glu Ser Gly Met Val Pro Asp Ile Leu Phe Asn Pro His
 35 40 45
 Gly Phe Pro Ser Arg Met Thr Ile Gly Met Leu Ile Glu Ser Met Ala
 50 55 60
 Gly Lys Ser Ala Ala Leu His Gly Leu Cys His Asp Ala Thr Pro Phe
 65 70 75 80
 Ile Phe Ser Glu Glu Asn Ser Ala Leu Glu Tyr Phe Gly Glu Met Leu
 85 90 95
 Lys Ala Ala Gly Tyr Asn Phe Tyr Gly Thr Glu Arg Leu Tyr Ser Gly
 100 105 110
 Ile Ser

<210> 5778

<211> 330

<212> PRT

<213> Homo sapiens

<400> 5778

Met Ala Ala Val Gly Arg Val Gly Ser Phe Gly Ser Ser Pro Pro Gly
 1 5 10 15
 Leu Ser Ser Thr Tyr Thr Gly Gly Pro Leu Gly Asn Glu Ile Ala Ser
 20 25 30
 Gly Asn Gly Gly Ala Ala Ala Gly Asp Asp Glu Asp Gly Gln Asn Leu
 35 40 45
 Trp Ser Cys Ile Leu Ser Glu Val Ser Thr Arg Ser Arg Ser Lys Leu
 50 55 60
 Pro Ala Gly Lys Asn Val Leu Leu Leu Gly Glu Asp Gly Ala Gly Lys
 65 70 75 80
 Thr Ser Leu Ile Arg Lys Ile Gln Gly Ile Glu Glu Tyr Lys Lys Gly
 85 90 95
 Arg Gly Leu Glu Tyr Leu Tyr Leu Asn Val His Asp Glu Asp
 100 105 110

<210> 5779

<211> 198

<212> PRT

<213> Homo sapiens

<400> 5779

Met Asn Ala Met Leu Glu Thr Pro Glu Leu Pro Ala Val Phe Asp Gly
 1 5 10 15
 Val Lys Leu Ala Ala Val Ala Ala Val Leu Tyr Val Ile Val Xaa Cys
 20 25 30
 Leu Asn Leu Lys Ser Pro Thr Ala Pro Pro Asp Leu Tyr Phe Gln Asp
 35 40 45
 Ser Gly Leu Ser Arg Phe Leu Leu Lys Ser Cys Pro Leu Leu Thr Lys
 50 55 60
 Glu Tyr
 65

<210> 5780
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5780
 Met Pro Pro Pro Val Ala Ala Ile Gln Gly Ser Ala Leu Phe Leu Arg
 1 5 10 15
 Ser Ser Pro Pro Arg Arg Arg Leu Val Thr Thr Ser Thr Ser Val Gln
 20 25 30
 His Arg Arg Lys Cys His Ala Glu Asn Ser Arg Thr Ala Gly Thr Gln
 35 40 45
 Arg Gly Ala Thr Thr Ala Cys Ala Ala Arg Asp Met Ser Leu Phe Leu
 50 55 60
 Gly Gln Lys His Ser Arg Met Arg Ala Arg Thr Pro Val Lys Met Trp
 65 70 75 80
 Thr Ser Ala Ala Pro Gly Ser Ile Ser Val Thr Ala Pro Pro Ser Ala
 85 90 95
 Ser Thr Pro Trp Val His Thr Ala
 100

<210> 5781
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5781
 Met Ala Leu Val His Lys Leu Leu Arg Gly Thr Tyr Phe Leu Arg Lys
 1 5 10 15
 Phe Ser Lys Pro Thr Ser Ala Leu Tyr Pro Phe Leu Gly Ile Arg Phe
 20 25 30
 Ala Glu Tyr Ser Ser Ser Leu Gln Lys Pro Val Ala Ser Pro Gly Lys
 35 40 45
 Xaa Pro His Arg Gly Arg Leu Lys Gly Ile Cys Lys
 50 55 60

<210> 5782
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 5782
 Met Ala Ser Leu Ser Leu Ala Pro Val Asn Ile Phe Lys Ala Gly Ala
 1 5 10 15
 Asp Glu Glu Arg Ala Glu Thr Ala Arg Leu Thr Ser Phe Ile Gly Ala
 20 25 30
 Ile Ala Ile Gly Asp Leu Val Lys Ser Thr Leu Gly Pro Lys Gly Met
 35 40 45
 Asp Lys Ile Leu Leu Ser Ser Gly Arg Asp Ala Ser Leu Met Val Thr
 50 55 60
 Asn Asp Gly Ala Thr Ile Leu Lys Asn Ile Gly Val Asp Asn Pro Ala
 65 70 75 80
 Ala Lys Val Leu Val Asp Met Ser Arg Val Gln Asp Asp Glu Val Gly

85 90 95
 Asp Gly Thr Thr Ser Val Thr Val Leu Ala Ala Glu Leu Leu Arg Glu
 100 105 110
 Ala Glu Ser Leu Xaa Ala Lys Xaa Ile His Pro Gln Thr Ile Ile Ala
 115 120 125
 Gly Trp Arg Glu Pro Arg Gly Cys Arg Glu Ala Leu Leu Ser Ser Ala
 130 135 140
 Val
 145

<210> 5783
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 5783
 Met Val Met Ala Glu Gly Thr Ala Val Leu Arg Arg Asn Arg Pro Gly
 1 5 10 15
 Thr Lys Ala Gln Asp Phe Tyr Asn Trp Pro Asp Glu Ser Phe Asp Glu
 20 25 30
 Met Asp Ser Thr Leu Ala Val Gln Tyr Ile Gln Gln Asn Ile Arg
 35 40 45
 Ala Asp Cys Ser Asn Ile Asp Lys Ile Leu Glu Pro Pro Glu Gly Gln
 50 55 60
 Asp Glu Gly Val Trp Lys Tyr Glu His Leu Arg Gln Phe Cys Leu Glu
 65 70 75 80
 Leu Asn Gly Leu Ala Val Lys Leu Gln Ser Glu Cys His Pro Asp Thr
 85 90 95

<210> 5784
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 5784
 Met Ala Met Glu Ser Thr Ala Thr Ala Ala Val Ala Ala Glu Leu Val
 1 5 10 15
 Ser Ala Asp Lys Ile Glu Asp Val Pro Ala Pro Ser Thr Ser Ala Asp
 20 25 30
 Lys Val Glu Ser Leu Asp Val Asp Ser Glu Ala Lys Lys Leu Leu Gly
 35 40 45
 Leu Gly Gln Lys His Leu Val Met Gly Asp Ile Pro Ala Ala Val Asn
 50 55 60
 Ala Phe Gln Glu Ala Ala Ser Leu Leu Gly Lys Lys Tyr Gly Glu Thr
 65 70 75 80
 Ala Asn Glu Cys Gly Glu Ala Phe Phe Phe Tyr Gly Lys Ser Leu Leu
 85 90 95
 Glu Leu Ala Arg Met Glu Asn Gly
 100

<210> 5785
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5785

Met Phe Leu Leu Leu Leu His Leu Gln Ile Lys Trp Arg Ala Thr Ile
1 5 10 15
Asn Leu Leu Ser Val Thr Glu Asp Gly Leu His Phe Val Glu Tyr Tyr
20 25 30
Leu Asn Arg Ile Ile His Leu Asp Val Asp Ser Glu Ala Lys Xaa Leu
35 40 45
Leu Gly Leu Gly Gln Lys His Leu Val Met Gly Asp Ile Pro Ala Ala
50 55 60
Val Asn Ala Phe Gln Glu Ala Ala Ser Leu Leu Gly Lys Lys Xaa Gly
65 70 75 80
Glu Thr Ala Asn Glu Cys Gly Glu Ala Phe Phe Phe Tyr Gly Lys Ser
85 90 95
Leu Leu Glu Leu Ala Arg Met Glu Asn Gly
100 105

<210> 5786

<211> 165

<212> PRT

<213> Homo sapiens

<400> 5786

Met Val Leu His Ile Ser Ile Leu Lys Thr Gly Glu Val Arg Pro Gln
1 5 10 15
Thr Ser Gln Ala Phe Ser Phe His Trp Lys Leu Asp Ile Phe Pro Pro
20 25 30
Gly Phe Leu Gly Lys Pro Asn Gly Ala Gln Glu Ala Val Trp Xaa Ser
35 40 45
Val Trp Val Leu Ser Trp Ser
50 55

<210> 5787

<211> 222

<212> PRT

<213> Homo sapiens

<400> 5787

Met Ala Ser Phe Pro Pro Arg Val Asn Glu Lys Glu Ile Val Arg Leu
1 5 10 15
Arg Thr Ile Gly Glu Leu Leu Ala Pro Ala Ala Pro Phe Asp Lys Lys
20 25 30
Cys Gly Arg Glu Asn Trp Thr Val Ala Phe Ala Pro Asp Gly Ser Tyr
35 40 45
Phe Ala Trp Ser Gln Gly His Arg Thr Val Lys Leu Val Pro Trp Ser
50 55 60
Gln Cys Leu Gln Asn Phe Leu Leu His Gly
65 70

<210> 5788

<211> 321

<212> PRT

<213> Homo sapiens

<400> 5788

Met Met Leu Pro Leu Gln Gly Ala Gln Met Leu Gln Met Leu Glu Lys
1 5 10 15
Ser Leu Arg Lys Ser Leu Pro Ala Ser Leu Lys Val Tyr Gly Thr Val
20 25 30
Phe His Ile Asn His Gly Asn Pro Phe Asn Leu Lys Ala Val Val Asp
35 40 45
Lys Trp Pro Asp Phe Asn Thr Val Val Val Cys Pro Gln Glu Gln Asp
50 55 60
Met Thr Asp Asp Leu Asp His Tyr Thr Asn Thr Tyr Gln Ile Tyr Ser
65 70 75 80
Lys Asp Pro Xaa Asn Cys Gln Xaa Phe Leu Gly Ser Pro Glu Leu Ile
85 90 95
Asn Trp Lys Gln His Leu Gln Ile Gln Ser Ser
100 105

<210> 5789

<211> 210

<212> PRT

<213> Homo sapiens

<400> 5789

Met Leu Arg Pro Leu Arg Thr Val Ala Pro Ala Asp Arg Gln Ala Leu
1 5 10 15
Leu Gln Trp Met Arg Thr Asn Arg Lys Ser Leu Tyr Arg Thr Ala Glu
20 25 30
Thr Ser Ser Thr Met Gln Asn Tyr His Gln Asp Trp Pro Thr Pro Gly
35 40 45
Gly Ile Pro Glu Thr Thr Leu Gln Gly Ala Tyr Arg Lys Lys Ile Lys
50 55 60
Arg Ser Asp Ala Ala Ala
65 70

<210> 5790

<211> 342

<212> PRT

<213> Homo sapiens

<400> 5790

Met Ala Ala Ser Gln Cys Leu Cys Cys Ser Lys Phe Leu Phe Gln Arg
1 5 10 15
Gln Asn Leu Ala Cys Phe Leu Thr Asn Pro His Cys Gly Ser Leu Val
20 25 30
Asn Ala Asp Gly His Gly Glu Val Trp Thr Asp Trp Asn Asn Met Ser
35 40 45
Lys Phe Phe Gln Tyr Gly Trp Arg Cys Thr Thr Asn Glu Asn Thr Tyr
50 55 60
Ser Asn Arg Thr Leu Met Gly Asn Trp Asn Gln Glu Arg Tyr Asp Leu
65 70 75 80
Arg Asn Ile Val Gln Pro Lys Pro Leu Pro Ser Gln Phe Gly His Tyr
85 90 95
Phe Glu Thr Thr Tyr Asp Thr Ser Tyr Asn Asn Lys Met Pro Leu Ser
100 105 110
Thr His

<210> 5791
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 5791
 Met Val Gly Arg Glu Lys Glu Leu Ser Ile His Phe Val Pro Gly Ser
 1 5 10 15
 Cys Arg Leu Val Glu Glu Glu Val Asn Ile Pro Asn Arg Arg Val Leu
 20 25 30
 Val Thr Gly Ala Thr Gly Leu Leu Gly Arg Ala Val His Lys Glu Phe
 35 40 45
 Gln Gln Asn Asn Trp His Ala Val Gly Cys Gly Phe Arg Arg Ala Arg
 50 55 60
 Pro Lys Phe Glu Gln Val Asn Leu Leu Asp Ser Asn Ala Val His His
 65 70 75 80
 Ile Ile His Asp Phe
 85

<210> 5792
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 5792
 Met Ala Ser Cys Pro Asp Ser Asp Asn Ser Trp Val Leu Ala Gly Ser
 1 5 10 15
 Glu Ser Leu Pro Val Glu Thr Leu Gly Pro Ala Ser Arg Met Asp Pro
 20 25 30
 Glu Ser Glu Arg Ala Leu Gln Ala Pro His Ser Pro Ser Lys Thr Asp
 35 40 45
 Gly Lys Glu Leu Ala Gly Thr Met Asp Gly Glu Gly Thr Leu Phe Gln
 50 55 60
 Thr Glu Ser Pro Gln Ser Gly Ser Ile Leu Thr Glu Glu Thr Glu Val
 65 70 75 80
 Lys Gly Thr Trp Lys Val Met Phe Val Val Trp Ser Ser Trp Pro Arg
 85 90 95
 Arg His Ser Ser Pro Gly Arg Leu Gln Xaa Thr Arg Val Thr Gly Leu
 100 105 110
 Gly Gln Thr His Arg Thr Gly
 115

<210> 5793
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 5793
 Met Ala Thr Asn Ile Glu Gln Ile Phe Arg Ser Phe Val Val Ser Lys
 1 5 10 15
 Phe Arg Glu Ile Gln Gln Glu Leu Ser Ser Gly Arg Asn Glu Gly Gln
 20 25 30
 Leu Asn Gly Glu Thr Asn Thr Pro Ile Glu Gly Asn Gln Ala Gly Asp

35 40 45
 Ala Ala Ala Ser Ala Arg Ser Leu Pro Asn Glu Glu Ile Val Gln Lys
 50 55 60
 Ile Glu Glu Val Leu Ser Gly Val Leu Asp Thr Glu Leu Arg Tyr Lys
 65 70 75 80
 Pro Asp Leu Lys Glu Gly Ser Arg Lys Ser Arg Cys Val Ser Val Gln
 85 90 95
 Thr Asp Pro Thr
 100

<210> 5794
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5794
 Met Arg Gln Pro Tyr Leu Ser Ser Arg Glu Val Ser Ser Ser Arg Lys
 1 5 10 15
 Arg Trp Arg Thr Phe Pro Val Asp Cys Val Ala Met Cys Gly Asp Cys
 20 25 30
 Val Glu Lys Glu Tyr Pro Asn Arg Gly Asn Thr Cys Leu Glu Asn Gly
 35 40 45
 Ser Phe Leu Leu Asn Phe Thr Gly Cys Ala Val Cys Ser Lys Arg Asp
 50 55 60
 Phe Met Leu Ile Thr Asn Lys Ser Leu Lys Glu Glu Asp Gly Glu Glu
 65 70 75 80
 Ile Val Thr Tyr Asp His Leu Cys Lys Asn Cys His His Val Ile Ala
 85 90 95
 Arg His Glu Tyr Thr Phe Ser Ile Met Asp Glu Phe Gln Glu Tyr Thr
 100 105 110
 Met Leu Cys Leu Leu Cys Gly Lys Ala Lys Ile Leu Ser Xaa Phe Ser
 115 120 125
 Leu Met Thr Pro
 130

<210> 5795
 <211> 477
 <212> PRT
 <213> Homo sapiens

<400> 5795
 Met Asp Ser Leu Phe Val Glu Glu Val Ala Ala Ser Leu Val Arg Xaa
 1 5 10 15
 Phe Leu Ser Arg Lys Gly Leu Lys Lys Thr Cys Val Thr Met Asp Gln
 20 25 30
 Glu Arg Pro Arg Ser Asp Leu Ser Ile Asn Asn Arg Asn Asp Leu Arg
 35 40 45
 Lys Val Leu His Leu Glu Phe Leu Tyr Lys Glu Asn Lys Ala Lys Glu
 50 55 60
 Asn Pro Leu Lys Thr Ser Leu Glu Leu Ile Thr Arg Tyr Phe Leu Asp
 65 70 75 80
 His Phe Gly Asn Thr Ala Asn Asn Phe Thr Gln Asp Thr Pro Ile Pro
 85 90 95
 Ala Leu Ser Val Pro Lys Lys Asn Asn Lys Val Pro Ser Arg Cys Ser

100 105 110
 Glu Thr Thr Leu Val Asn Ile Tyr Asp Leu Ser Asp Glu Asp Ala Gly
 115 120 125
 Trp Arg Thr Ser Leu Ser Glu Thr Ser Lys Ala Arg His Asp Asn Leu
 130 135 140
 Asp Gly Asp Val Leu Gly Asn Phe Val Ser Ser Lys Arg Pro Pro
 145 150 155

<210> 5796
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 5796
 Met Ala Glu Ser Asp Trp Asp Thr Val Thr Val Leu Arg Lys Lys Gly
 1 5 10 15
 Pro Thr Ala Ala Gln Ala Lys Ser Lys Gln Ala Ile Leu Ala Ala Gln
 20 25 30
 Arg Arg Gly Glu Asp Val Glu Thr Ser Lys Lys Trp Ala Ala Gly Gln
 35 40 45
 Asn Lys Gln His Ser Ile Thr Lys Asn Thr Ala Lys Leu Asp Arg Glu
 50 55 60
 Thr Glu Glu Leu His His Asp Arg Val Thr Leu Glu Val Gly Lys Val
 65 70 75 80
 Ile Gln Gln Gly Arg Gln Ser Lys Gly Leu Thr Gln Lys Asp Leu Ala
 85 90 95
 Thr Xaa Ile Asn Glu Lys Pro Gln Val Ile Ala Asp Tyr Glu Ser Gly
 100 105 110
 Arg Ala Ile Pro Asn Asn Gln Val Leu Gly Lys Ile
 115 120

<210> 5797
 <211> 543
 <212> PRT
 <213> Homo sapiens

<400> 5797
 Met Thr Ser Arg Glu His Gln Val Ser Leu Cys Asn Cys Val Pro Leu
 1 5 10 15
 Leu Arg Arg Leu Leu Cys Asp Ala Pro Trp Arg Lys Ala Arg Pro Leu
 20 25 30
 His Ala Leu Ser Arg Tyr Phe Arg Ser Arg Val Ser Pro Ser Lys Met
 35 40 45
 Ala Glu Glu Pro Gln Ser Val Leu Gln Leu Pro Thr Ser Ile Ala Ala
 50 55 60
 Gly Gly Glu Gly Leu Thr Asp Val Ser Pro Glu Thr Thr Thr Pro Glu
 65 70 75 80
 Pro Pro Ser Ser Ala Ala Val Ser Pro Gly Thr Glu Glu Pro Ala Gly
 85 90 95
 Asp Thr Lys Lys Lys Ile Asp Ile Leu Leu Lys Ala Val Gly Asp Thr
 100 105 110
 Pro Ile Met Lys Thr Lys Lys Trp Ala Val Glu Arg Thr Arg Thr Ile
 115 120 125
 Gln Gly Leu Ile Asp Phe Ile Lys Lys Phe Leu Lys Leu Val Ala Ser

130 135 140
 Glu Gln Leu Phe Ile Tyr Val Asn Gln Ser Phe Ala Pro Ser Pro Asp
 145 150 155 160
 Gln Glu Val Gly Thr Leu Tyr Glu Cys Phe Gly Ser Gly Gly Asn Trp
 165 170 175
 Phe Tyr Ile Thr Ala
 180

<210> 5798
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 5798
 Met Gln Ala Gln Leu Leu Glu Leu Arg Thr Asn Asn Tyr Gln Leu Ser
 1 5 10 15
 Asp Glu Leu Arg Lys Asn Gly Val Glu Leu Thr Ser Leu Arg Gln Lys
 20 25 30
 Val Ala Tyr Leu Asp Lys Glu Phe Ser Lys Ala Gln Lys Ala Leu Ser
 35 40 45
 Lys Ser Lys Lys Ala Gln Glu Val Glu Val Leu Leu Ser Glu Asn Glu
 50 55 60
 Met Leu Gln Ala Lys Leu His Ser Gln Glu Glu Asp Phe Arg Leu Gln
 65 70 75 80
 Asn Thr Leu Met Ala Glu Phe Ser Lys Leu Cys Ser Gln Met Glu Gln
 85 90 95
 Leu

<210> 5799
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 5799
 Met Leu Met Asp Ser Pro Leu Asn Arg Ala Gly Leu Leu Gln Val Xaa
 1 5 10 15
 Ile His Thr Gln Lys Asn Val Leu Ile Glu Val Asn Pro Gln Thr Arg
 20 25 30
 Ile Pro Arg Thr Phe Asp Arg Phe Cys Gly Leu Met Val Gln Leu Leu
 35 40 45
 His Lys Leu Ser Val Arg Ala Ala
 50 55

<210> 5800
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 5800
 Met Ser Gln Ala Glu Phe Glu Lys Ala Ala Glu Glu Val Arg His Leu
 1 5 10 15
 Lys Thr Lys Pro Ser Asp Glu Glu Met Leu Phe Ile Tyr Gly His Tyr
 20 25 30
 Lys Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Met Leu

35 40 45
 Asp Phe Thr Gly Lys Ala Lys Trp Asp Ala Trp Asn Glu Leu Lys Gly
 50 55 60
 Thr Ser Lys Glu Asp Ala Met Lys Ala Tyr Ile Asn Lys Val Glu Glu
 65 70 75 80
 Leu Lys Lys Asn Thr Gly Tyr Glu Arg Leu Asp Leu Val Thr Val Pro
 85 90 95
 Cys Val Tyr Pro Lys Leu Arg Gln Cys Leu Val Phe Phe
 100 105

<210> 5801
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 5801
 Met Glu Ala Leu Ile Pro Val Ile Asn Lys Leu Gln Asp Val Phe Asn
 1 5 10 15
 Thr Val Gly Ala Asp Ile Ile Gln Leu Pro Gln Ile Val Val Val Gly
 20 25 30
 Thr Gln Ser Ser Gly Lys Ser Ser Val Leu Glu Ser Leu Val Gly Arg
 35 40 45
 Asp Leu Leu Pro Arg Gly Thr Gly Ile Val Thr Arg Arg Pro Leu Ile
 50 55 60
 Leu Gln Leu Val His Val Ser Gln Glu Asp Lys Arg Lys Thr Thr Gly
 65 70 75 80
 Glu Glu Asn Gly Val Glu Ala Glu Glu Trp Gly Lys Phe Leu His Thr
 85 90 95
 Lys Asn Lys Leu Tyr Thr Asp Phe Asp Glu Ile Arg Gln Glu Ile Glu
 100 105 110
 Asn Glu Thr Glu Arg Ile Ser Gly Asn Asn Lys
 115 120

<210> 5802
 <211> 492
 <212> PRT
 <213> Homo sapiens

<400> 5802
 Met Ala Thr Leu Val Xaa Asn Lys Leu Gly Ala Gly Val Asp Ser Gly
 1 5 10 15
 Arg Gln Gly Ser Arg Gly Thr Ala Val Val Lys Val Leu Glu Cys Gly
 20 25 30
 Val Cys Glu Asp Val Phe Ser Leu Gln Gly Asp Lys Val Pro Arg Leu
 35 40 45
 Leu Leu Cys Gly His Thr Val Cys His Asp Cys Leu Thr Arg Leu Pro
 50 55 60
 Leu His Gly Arg Ala Ile Arg Cys Pro Phe Asp Arg Gln Val Thr Asp
 65 70 75 80
 Leu Gly Asp Ser Gly Val Trp Gly Leu Lys Lys Asn Phe Ala Leu Leu
 85 90 95
 Glu Leu Leu Glu Arg Leu Gln Asn Gly Pro Ile Gly Gln Tyr Gly Ala
 100 105 110
 Ala Glu Glu Ser Ile Gly Ile Ser Gly Glu Ser Ile Ile Arg Cys Asp

115 120 125
 Glu Asp Glu Ala His Leu Ala Ser Val Tyr Cys Thr Val Cys Ala Thr
 130 135 140
 His Leu Cys Ser Glu Cys Ser Gln Val Thr His Ser Thr Lys Thr Leu
 145 150 155 160
 Ala Lys His Arg

<210> 5803
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 5803
 Met Ala Glu Glu Val Ala Lys Leu Glu Lys His Leu Met Leu Leu
 1 5 10 15
 Arg Gln Glu Tyr Val Lys Leu Gln Lys Lys Leu Ala Glu Thr Glu Lys
 20 25 30
 Arg Cys Ala Leu Leu Ala Ala Gln Ala Asn Lys Glu Ser Ser Ser Glu
 35 40 45
 Ser Phe Ile Ser Arg Leu Leu Ala Ile Val Ala Asp Leu Tyr Glu Gln
 50 55 60
 Glu Gln Tyr Ser Asp Leu Lys Ile Lys Val Gly Asp Arg His Ile Ser
 65 70 75 80
 Ala His Lys Phe Val Leu Ala Ala Arg Ser Asp Ser Trp Ser Leu Ala
 85 90 95
 Asn Leu Ser Ser Thr Lys Glu Leu Asp Leu Ser Asp Ala Asn Pro
 100 105 110

<210> 5804
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 5804
 Met Leu Gly Arg Ser Leu Arg Glu Val Ser Xaa Ala Leu Lys Gln Gly
 1 5 10 15
 Gln Ile Thr Pro Thr Glu Leu Cys Gln Lys Cys Leu Ser Leu Ile Lys
 20 25 30
 Lys Thr Lys Phe Leu Asn Ala Tyr Ile Thr Val Ser Glu Glu Val Ala
 35 40 45
 Leu Lys Gln Ala Glu Glu Ser Glu Lys Arg Tyr Lys Asn Gly Gln
 50 55 60

<210> 5805
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 5805
 Met Ala Gln Phe Gly Gly Gln Lys Asn Pro Pro Trp Ala Thr Gln Phe
 1 5 10 15
 Thr Ala Thr Ala Val Ser Gln Pro Ala Ala Leu Gly Val Gln Gln Pro
 20 25 30
 Ser Leu Leu Gly Ala Ser Pro Thr Ile Tyr Thr Gln Gln Thr Ala Leu

35
Ala Ala Ala Gly Leu Thr
50

40

45

<210> 5806
<211> 219
<212> PRT
<213> Homo sapiens

<400> 5806
Met Glu Gly Gly Ser Glu Arg Glu Gly Lys Pro Glu Ile Xaa Gly Lys
1 5 10 15
Pro Glu Ser Glu Gly Glu Pro Gly Ser Glu Thr Arg Ala Ala Gly Lys
20 25 30
Arg Pro Ala Glu Asp Asp Val Pro Arg Lys Ala Lys Arg Lys Thr Asn
35 40 45
Lys Gly Leu Ala His Tyr Leu Lys Glu Tyr Lys Glu Ala Ile His Asp
50 55 60
Met Asn Phe Ser Asn Glu Asp Met Ile
65 70

<210> 5807
<211> 159
<212> PRT
<213> Homo sapiens

<400> 5807
Met Lys Cys Lys Cys Gly Ile Phe Thr Phe Ile Pro Met Lys Phe Gln
1 5 10 15
Gln Tyr Phe Thr Ser Val Tyr Asp Phe Phe Asn Leu Leu Ile Ile Ile
20 25 30
Ile Ser His Ile Phe Val Ile Cys Ile Phe Asn Lys Ser Leu Arg Thr
35 40 45
Ile Leu Asn Lys Thr
50

<210> 5808
<211> 285
<212> PRT
<213> Homo sapiens

<400> 5808
Met Asn Pro Ala Ala Glu Ala Glu Phe Asn Ile Leu Leu Ala Thr Asp
1 5 10 15
Ser Tyr Lys Val Thr His Tyr Lys Gln Tyr Pro Pro Asn Thr Ser Lys
20 25 30
Val Tyr Ser Tyr Phe Glu Cys Arg Glu Lys Lys Thr Glu Asn Ser Lys
35 40 45
Leu Arg Lys Val Lys Tyr Xaa Glu Thr Val Phe Tyr Gly Leu Gln Tyr
50 55 60
Ile Leu Asn Lys Tyr Leu Lys Gly Lys Val Val Thr Lys Glu Lys Ile
65 70 75 80
Gln Glu Ala Lys Asp Val Tyr Lys Glu His Phe Gln Asp Asp Val
85 90 95

<210> 5809
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 5809
 Met Ala Asn Arg Gly Pro Ala Tyr Gly Leu Ser Arg Glu Val Gln Gln
 1 5 10 15
 Lys Ile Glu Lys Gln Tyr Asp Ala Asp Leu Glu Gln Ile Leu Ile Gln
 20 25 30
 Trp Ile Thr Thr Gln Cys Arg Lys Asp Val Gly Arg Pro Gln Pro Gly
 35 40 45
 Arg Glu Asn Phe Gln Asn Trp Leu Lys Asp Gly Thr Val Leu Cys Glu
 50 55 60
 Leu Ile Asn Ala Leu Tyr Pro Glu Gly Gln Ala Pro Val Lys Lys Ile
 65 70 75 80
 Gln Ala Ser Thr Met Ala Phe Lys Gln Met Glu Gln Ile Ser Gln Phe
 85 90 95
 Leu Gln Ala Ala Glu Arg Tyr Gly Ile Asn Thr Thr Asp Ile Phe Xaa
 100 105 110
 Thr

<210> 5810
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5810
 Met Phe Gly Gln Ile Gln Ser Pro Gly Tyr Pro Asp Ser Tyr Pro Ser
 1 5 10 15
 Asp Ser Glu Val Thr Trp Asn Ile Thr Val Pro Asp Gly Phe Arg Ile
 20 25 30
 Lys Leu Tyr Phe Met His Phe Asn Leu Glu Ser Ser Tyr Leu Cys Glu
 35 40 45
 Tyr Asp Tyr Val Lys Val Glu Thr Glu Asp Gln Val
 50 55 60

<210> 5811
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 5811
 Met Leu Leu Ala Thr Phe Lys Leu Cys Ala Gly Ser Ser Tyr Arg His
 1 5 10 15
 Met Arg Asn Met Lys Gly Leu Arg Gln Gln Ala Val Met Ala Ile Ser
 20 25 30
 Gln Glu Leu Asn Arg Arg Ala Leu Gly Gly Pro Thr Pro Ser Thr Xaa
 35 40 45
 Ile Asn Gln Val Arg Arg Arg Xaa Leu Tyr Ser Val Leu Gly Trp Lys
 50 55 60
 Arg Leu Ser Thr Val
 65

<210> 5812
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 5812
 Met Ala Thr Val Gln Glu Lys Ala Ala Ala Leu Asn Leu Ser Ala Leu
 1 5 10 15
 His Ser Pro Ala His Arg Pro Pro Gly Phe Ser Val Ala Gln Lys Pro
 20 25 30
 Phe Gly Ala Thr Tyr Val Trp Ser Ser Ile Ile Asn Thr Leu Gln Thr
 35 40 45
 Gln Val Glu Val Lys Lys Arg Arg
 50 55

<210> 5813
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 5813
 Met Ile Arg Phe Ile Leu Ile Gln Asn Arg Ala Gly Lys Thr Arg Leu
 1 5 10 15
 Ala Lys Trp Tyr Met Gln Phe Asp Asp Glu Lys Gln Lys Leu Ile
 20 25 30
 Glu Glu Val His Ala Val Val Thr Val Arg Asp Ala Lys His Thr Asn
 35 40 45
 Phe Val Glu Phe Arg Asn Phe Lys Ile Ile Tyr Arg Arg Tyr Ala Gly
 50 55 60
 Leu Tyr Phe Cys Ile Cys Val Asp Val Asn Asp Asn Asn Leu Ala Xaa
 65 70 75 80
 Xaa Glu Ala Ile His Asn Phe Val Glu Val Leu Asn Glu Tyr Phe His
 85 90 95
 Asn Val Cys Glu Leu Asp Leu Val Phe Xaa Phe Leu Gln Gly Leu His
 100 105 110
 Gly Arg Gly Arg Asp Val Pro Gly Trp Arg Asn Pro Arg Asp Gln Pro
 115 120 125

<210> 5814
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 5814
 Met Thr Arg Pro Thr Ile Val Ser Ser Cys Leu Trp Ala Val Arg Ser
 1 5 10 15
 Trp Leu Gly Pro Ala Pro Thr Leu Gly Ser Ser Cys Asn Thr Val Asp
 20 25 30
 Thr Ile Cys His Gly Tyr Ser Glu Ile Arg Pro Leu Phe Tyr Leu Ser
 35 40 45
 Phe Cys Asp Leu Leu Leu Gly Leu Cys Trp Leu Thr Glu Thr Leu Leu
 50 55 60
 Tyr Gly Ala Ser Val Ala Asn Lys Asp Ile Ile Cys Tyr Asn Leu Gln

65 70 75 80
 Ala Val Gly Gln Ile Phe Tyr Ile Ser Ser Phe Leu Tyr Thr Val Asn
 85 90 95
 Tyr Ile Trp Tyr Leu Tyr Thr Glu Leu Arg Met Lys His Thr Gln Ser
 100 105 110
 Gly Gln Ser Thr Ser Pro Leu Val Ile Asp Tyr Thr Cys Arg Val
 115 120 125

<210> 5815
 <211> 252
 <212> PRT
 <213> Homo sapiens

<400> 5815
 Met Gln Gly Asn Glu Val Glu Val Glu Ala Lys Arg Asn Gln Val Asn
 1 5 10 15
 Ile Lys Met Lys Val Lys Lys Asn Gln Ile Asn Glu Val Glu Val Ala
 20 25 30
 Val Lys Glu Glu Leu Thr Val Leu Lys Asn Gln Lys Asn Gly Asn Ile
 35 40 45
 Val Pro Ala Lys Lys Asn Leu Glu Ser Val Val Glu Ala Lys Asn Val
 50 55 60
 Pro Thr Asn Glu Ile Thr Val Ile Val Arg Thr Ser Gln Thr Asn Met
 65 70 75 80
 Ile Val Glu Gly

<210> 5816
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 5816
 Met Ala Ser Ala Val Pro Arg Leu Gln Leu Glu Leu Pro Tyr Ser His
 1 5 10 15
 Leu Arg Gln Thr Gln Gln Gly Trp Pro Arg Pro Pro Thr Val Asn Arg
 20 25 30
 Cys Ser Arg Glu Met Asp Gln Pro Leu Phe Cys Leu Phe Tyr Gln Gly
 35 40 45
 Lys Arg Ser Xaa His Gly Gln Gly Trp Asn Thr Pro Gly Ser Gly
 50 55 60

<210> 5817
 <211> 405
 <212> PRT
 <213> Homo sapiens

<400> 5817
 Met Met Glu Val Asp Arg Arg Val Glu Ser Glu Glu Ser Gly Asp Glu
 1 5 10 15
 Glu Gly Lys Lys His Ser Ser Gly Ile Val Ala Asp Leu Ser Glu Gln
 20 25 30
 Ser Leu Lys Asp Gly Glu Glu Arg Gly Glu Glu Asp Pro Glu Glu Glu
 35 40 45
 His Glu Leu Pro Val Asp Met Glu Thr Ile Asn Leu Asp Arg Asp Ala

50 55 60
 Glu Asp Val Asp Leu Asn His Tyr Arg Ile Gly Lys Ile Glu Gly Phe
 65 70 75 80
 Glu Val Leu Lys Lys Val Lys Thr Leu Cys Leu Arg Gln Asn Leu Ile
 85 90 95
 Lys Cys Ile Glu Asn Leu Glu Glu Leu Gln Ser Leu Arg Glu Leu Asp
 100 105 110
 Leu Tyr Asp Asn Gln Ile Lys Lys Ile Glu Asn Leu Glu Ala Leu Thr
 115 120 125
 Glu Leu Glu Ile Leu Asp Ile
 130 135

<210> 5818
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5818
 Met Val Asp Cys Xaa Glu Val Arg Lys Pro Ser Leu Xaa Ser Cys Ser
 1 5 10 15
 Cys Leu Asn Thr Leu Arg Ala Trp Xaa Xaa Arg Ala Gly Tyr Pro Leu
 20 25 30
 Gly Leu Pro Pro Ala Thr Ala Pro Asn Xaa Gln Ala Gly Xaa Thr Leu
 35 40 45
 Trp His Xaa Lys Val Ala Leu Ile Ser Gln
 50 55

<210> 5819
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5819
 Met Met Thr Ala Glu Ser Arg Glu Ala Thr Gly Leu Ser Pro Gln Ala
 1 5 10 15
 Ala Gln Glu Lys Asp Gly Ile Val Ile Val Lys Val Glu Glu Glu Asp
 20 25 30
 Glu Glu Asp His Met Trp Gly Gln Asp Ser Thr Leu Gln Asp Thr Pro
 35 40 45
 Pro Pro Asp Pro Glu Ile Phe Arg Gln Arg Phe Arg Arg Phe Cys Tyr
 50 55 60
 Gln Asn Thr Phe Gly Pro Arg Glu Ala Leu Ser Arg
 65 70 75

<210> 5820
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 5820
 Met Ala Thr Ala Met Tyr Leu Glu His Tyr Leu Asp Ser Ile Glu Asn
 1 5 10 15
 Leu Pro Cys Glu Leu Gln Arg Asn Phe Gln Leu Met Arg Glu Leu Asp
 20 25 30

Gln Arg Thr Glu Asp Lys Lys Ala Glu Ile Asp Ile Leu Ala Ala Glu
 35 40 45
 Tyr Ile Ser Thr Val Lys Thr Leu Ser Pro Asp Gln Arg Val Glu Arg
 50 55 60
 Leu Gln Lys Ile Gln Asn Ala Tyr Ser Lys Cys Lys Glu Tyr Ser Asp
 65 70 75 80
 Asp Lys Val Gln Leu Ala Met Gln Thr Tyr Glu Met Val Asp Lys His
 85 90 95
 Ile Arg Arg Leu Asp Ala Asp Leu Ala Arg Phe Glu Ala Asp Leu Lys
 100 105 110
 Asp Lys Met Glu Gly Ser Asp Phe Glu Ser Ser Gly Gly
 115 120 125

<210> 5821
 <211> 447
 <212> PRT
 <213> Homo sapiens

<400> 5821
 Met Ser Gly Gly Lys Tyr Val Asp Ser Glu Gly His Leu Tyr Thr Val
 1 5 10 15
 Pro Ile Arg Glu Gln Gly Asn Ile Tyr Lys Pro Asn Asn Lys Ala Met
 20 25 30
 Ala Asp Glu Leu Ser Glu Lys Gln Val Tyr Asp Ala His Thr Lys Glu
 35 40 45
 Ile Asp Leu Val Asn Arg Asp Pro Lys His Leu Asn Asp Asp Val Val
 50 55 60
 Lys Ile Asp Phe Glu Asp Val Ile Ala Glu Pro Glu Gly Thr His Ser
 65 70 75 80
 Phe Asp Gly Ile Trp Lys Ala Ser Phe Thr Thr Phe Thr Val Thr Lys
 85 90 95
 Tyr Trp Phe Tyr Arg Leu Leu Ser Ala Leu Phe Gly Ile Pro Xaa Ala
 100 105 110
 Leu Ile Trp Gly Ile Tyr Phe Ala Ile Leu Ser Phe Leu His Ile Trp
 115 120 125
 Ala Val Val Pro Cys Ile Lys Ser Phe Leu Ile Glu Ile Gln Cys Ile
 130 135 140
 Ser Arg Val Tyr Ser
 145

<210> 5822
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 5822
 Met Ala Asp Glu Leu Ser Glu Lys Gln Val Tyr Asp Ala His Thr Lys
 1 5 10 15
 Glu Ile Asp Leu Val Xaa Arg Asp Pro Lys His Leu Asn Asp Asp Val
 20 25 30
 Val Lys Ile Asp Phe Glu Asp Val Ile Ala Glu Pro Glu Gly Thr His
 35 40 45
 Ser Phe Asp Gly Ile Trp Lys Ala Ser Phe Thr Thr Phe Thr Val Thr
 50 55 60

Lys Tyr Trp Phe Tyr Arg Leu Leu Ser Ala Leu Phe Gly Ile Pro Xaa
65 70 75 80
Ala Leu Ile Trp Gly Ile Tyr Phe Ala Ile Leu Ser Phe Leu His Ile
85 90 95
Trp Ala Val Val Pro Cys Ile Lys Ser Phe Leu Ile Glu Ile Gln Cys
100 105 110
Ile Ser Arg Val Tyr Ser
115

<210> 5823
<211> 309
<212> PRT
<213> Homo sapiens

<400> 5823
Met Pro Lys Arg Lys Val Thr Phe Gln Gly Val Gly Asp Glu Glu Asp
1 5 10 15
Glu Asp Glu Ile Ile Val Pro Lys Lys Lys Leu Val Asp Pro Val Ala
20 25 30
Gly Ser Gly Gly Pro Gly Ser Arg Phe Lys Gly Lys His Ser Leu Asp
35 40 45
Ser Asp Glu Glu Glu Asp Asp Asp Asp Gly Gly Ser Ser Lys Tyr Asp
50 55 60
Ile Leu Ala Ser Glu Asp Val Glu Gly Gln Glu Ala Ala Thr Leu Pro
65 70 75 80
Ser Glu Gly Gly Val Arg Ile Thr Xaa Phe Asn Leu Gln Xaa Glu Met
85 90 95
Glu Glu Gly His Phe Asp Ala
100

<210> 5824
<211> 153
<212> PRT
<213> Homo sapiens

<400> 5824
Met Ser Asn Arg Asn Asn Asn Lys Leu Pro Ser Asn Leu Pro Gln Leu
1 5 10 15
Gln Asn Leu Ile Lys Arg Asp Pro Pro Ala Tyr Ile Glu Glu Phe Leu
20 25 30
Gln Gln Tyr Asn His Tyr Lys Ser Asn Val Glu Ile Phe Lys Leu Gln
35 40 45
Pro Asn Lys
50

<210> 5825
<211> 213
<212> PRT
<213> Homo sapiens

<400> 5825
Met Asn Arg Thr Gln Glu Leu Ser Gly Gln Leu Ser Ala Ala Thr Gly
1 5 10 15
Asp Met Pro Thr Tyr Gln Ile Arg Ala Pro Thr Ala Ala Leu Pro Gln

20 25 30
 Gly Val Val Met Ala Ala Ser Pro Gly Ser Leu His Ser Pro Gln Gln
 35 40 45
 Leu Ala Glu Glu Ala Thr Arg Lys Arg Glu Leu Arg Leu Met Lys Asn
 50 55 60
 Arg Glu Ala Ala Lys Glu Gly
 65 70

<210> 5826
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 5826
 Met Ser Tyr Thr Gly Phe Val Gln Gly Ser Glu Thr Thr Leu Gln Ser
 1 5 10 15
 Thr Tyr Ser Asp Thr Ser Ala Gln Pro Thr Cys Asp Tyr Gly Tyr Gly
 20 25 30
 Thr Trp Asn Ser Gly Thr Asn Arg Gly Tyr Glu Gly Tyr Gly Tyr Gly
 35 40 45
 Tyr Gly Tyr Gly Gln Asp Asn Thr Thr Asn Tyr Gly Ile Asn Gln Arg
 50 55 60
 Leu Asp Met Val Pro His Leu Glu Thr Asp Met Met Gln Gly Gly Val
 65 70 75 80
 Tyr Gly Ser Gly Gly Glu Arg Tyr Asp Ser Tyr Glu Ser Cys Asp Ser
 85 90 95
 Arg Ala Val Leu Ser Glu Arg Asp Leu Tyr Arg Ser Gly Tyr Asp Tyr
 100 105 110
 Ser Glu

<210> 5827
 <211> 444
 <212> PRT
 <213> Homo sapiens

<400> 5827
 Met Ser Tyr Thr Gly Phe Val Gln Gly Ser Glu Thr Thr Leu Gln Ser
 1 5 10 15
 Thr Tyr Ser Asp Thr Ser Ala Gln Pro Thr Cys Asp Tyr Gly Tyr Gly
 20 25 30
 Thr Trp Asn Ser Gly Thr Asn Arg Gly Tyr Glu Gly Tyr Gly Tyr Gly
 35 40 45
 Tyr Gly Tyr Gly Gln Asp Asn Thr Thr Asn Tyr Gly Tyr Gly Met Ala
 50 55 60
 Thr Ser His Ser Trp Glu Met Pro Ser Ser Asp Thr Asn Ala Asn Thr
 65 70 75 80
 Xaa Ala Ser Gly Ser Ala Ser Ala Asp Ser Val Leu Ser Arg Ile Asn
 85 90 95
 Gln Arg Leu Asp Met Val Pro His Leu Glu Thr Asp Met Met Gln Gly
 100 105 110
 Gly Val Tyr Gly Ser Gly Gly Glu Arg Tyr Asp Ser Tyr Glu Ser Cys
 115 120 125
 Asp Ser Arg Ala Val Leu Ser Glu Arg Asp Leu Tyr Arg Ser Gly Tyr
 130 135 140

Asp Tyr Ser Glu
145

<210> 5828

<211> 171

<212> PRT

<213> Homo sapiens

<400> 5828

Met Glu Val Asp Ala Pro Gly Val Asp Gly Arg Asp Gly Leu Arg Glu
1 5 10 15
Arg Arg Gly Phe Ser Glu Gly Gly Arg Gln Asn Phe Asp Val Arg Pro
20 25 30
Gln Ser Gly Ala Asn Gly Leu Pro Lys His Ser Tyr Trp Leu Asp Leu
35 40 45
Trp Leu Phe Ile Leu Gln Ile Ser Thr
50 55

<210> 5829

<211> 339

<212> PRT

<213> Homo sapiens

<400> 5829

Met Pro Ala Gly Gly Glu Arg Cys Asn Pro Leu Leu Ala Ala Gly Gly
1 5 10 15
Cys Asp His Pro His Ser Pro Lys Gly Arg Leu Arg Arg Arg Xaa
20 25 30
Xaa Xaa Pro Xaa Thr Pro Val Gly Ala Pro Xaa Arg Xaa Pro Asp Glu
35 40 45
Glu Val Xaa Glu Glu Gln Arg Cys Glu Glu Glu Xaa Phe Pro Leu Ala
50 55 60
Met Asn Tyr Leu Asp Arg Tyr Leu Ser Cys Val Pro Thr Arg Lys Ala
65 70 75 80
Gln Leu Gln Leu Leu Gly Ala Val Cys Met Leu Leu Ala Ser Lys Leu
85 90 95
Arg Glu Thr Thr Pro Leu Thr Ile Glu Lys Leu Cys Ile Tyr Thr Asp
100 105 110
His

<210> 5830

<211> 177

<212> PRT

<213> Homo sapiens

<400> 5830

Met Thr Ala Ile Met Asn Glu Gln Leu Glu Ile His Tyr Ala Xaa Xaa
1 5 10 15
Xaa Xaa Thr Xaa Xaa Gln Met Xaa Ser Val Xaa Gln Arg Ser Gly Gln
20 25 30
Ala Leu Ala Gln Ser Ser Leu Phe Trp Lys Ser Gly Pro Gly Gly Ala
35 40 45
Gly His Trp Pro Leu Asn Tyr Ala Arg Ala His
50 55

<210> 5831
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 5831
 Met Gly Pro Arg Ile Gly Pro Ala Gly Glu Val Xaa Gln Val Pro Asp
 1 5 10 15
 Lys Glu Thr Lys Ala Thr Xaa Gly Thr Glu Asn Thr Leu Glu Ala Lys
 20 25 30
 Pro Ala Gln Thr Leu Arg Thr Cys Gly Lys Cys Val Pro Tyr Ile Lys
 35 40 45
 Leu Phe Val Leu Cys Thr
 50

<210> 5832
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5832
 Met Gly His Phe Thr Glu Glu Asp Lys Ala Thr Ile Thr Ser Leu Trp
 1 5 10 15
 Gly Lys Val Asn Val Glu Asp Ala Gly Val Gln Ala Val Lys Gly
 20 25 30
 Leu Met Gln Pro Tyr His Pro Leu Cys Thr Gln Asn Gln Arg Ser Leu
 35 40 45
 Tyr Gly Leu Thr Ala Glu His Gly Gln Arg Gly Ala Glu Ala Lys Ala
 50 55 60
 Leu Arg
 65

<210> 5833
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 5833
 Met Val His Leu Thr Pro Glu Glu Lys Ser Ala Val Thr Ala Leu Trp
 1 5 10 15
 Gly Lys Val Asn Val Asp Glu Val Gly Gly Glu Ala Leu Gly Arg Leu
 20 25 30
 Leu Val Val Tyr Pro Trp Thr Gln Arg Phe Phe Glu Ser Phe Gly Asp
 35 40 45
 Leu Ser Thr Pro Asp Ala Val Met Gly Asn Pro Lys Val Lys Ala His
 50 55 60
 Gly Lys Lys Val Leu Gly Ala Phe Ser Asp Gly Leu Ala His Leu Asp
 65 70 75 80
 Asn Leu Lys Gly Thr Phe Ala Thr Leu Ser Glu Leu His Cys Asp Lys
 85 90 95
 Leu His Val Asp Pro Glu Asn Phe Arg Leu Leu Gly Asn Val Leu Val
 100 105 110
 Cys Val Leu Ala His His Phe Gly Lys

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115

120

<210> 5834
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5834

Met	Glu	Tyr	Lys	Lys	Thr	Asp	Ala	Pro	Gln	Pro	Asp	Val	Lys	Glu	Glu
1				5					10					15	
Glu	Glu	Glu	Lys	Glu	Glu	Glu	Lys	Asp	Lys	Gly	Asp	Glu	Glu	Glu	Glu
			20					25					30		
Gly	Glu	Glu	Lys	Leu	Glu	Glu	Lys	Gln	Lys	Ser	Asp	Ala	Glu	Glu	Asp
			35				40						45		
Gly	Gly	Thr	Val	Ser	Gln	Glu									
	50					55									

<210> 5835
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5835

Met	Glu	Ser	Glu	Ala	Leu	Val	Gly	Leu	Pro	Ser	Gln	Gly	Leu	Asn	Ser
1				5				10						15	
Ser	Cys	Glu	Ala	Gln	Met	Phe	Thr	Val	Asp	Ser	Gln	Met	Ser	Tyr	Thr
			20					25					30		
Val	Pro	Ile	Met	Ala	Phe	Ala	Phe	Val	Cys	His	Pro	Glu	Val	Leu	Pro
			35				40					45			
Ile	Tyr	Thr	Glu	Leu	Cys	Arg									
	50					55									

<210> 5836
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 5836

Met	Ala	Thr	Asn	Trp	Gly	Ser	Leu	Leu	Gln	Asp	Lys	Gln	Gln	Leu	Glu
1				5				10						15	
Glu	Leu	Ala	Arg	Gln	Ala	Val	Asp	Arg	Ala	Leu	Ala	Glu	Gly	Val	Leu
			20					25					30		
Leu	Arg	Thr	Ser	Gln	Glu	Pro	Thr	Ser	Ser	Glu	Val	Val	Ser	Tyr	Ala
			35				40					45			
Pro	Phe	Thr	Leu	Phe	Pro	Ser	Leu	Val	Pro	Ser	Ala	Leu	Leu	Glu	Gln
			50			55					60				
Ala	Tyr	Ala	Val	Gln	Met	Asp	Phe	Asn	Leu	Leu	Val	Asp	Ala	Val	Ser
65				70					75					80	
Gln	Asn	Ala	Ala	Phe	Leu	Glu	Gln	Thr	Leu	Ser	Ser	Thr	Ile	Lys	Gln
			85				90						95		
Asp	Asp	Phe	Thr	Ala	Arg	Leu	Phe	Asp	Ile	His	Lys	Gln	Val		
			100					105					110		

<210> 5837

<211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5837

Met	Glu	Ile	Pro	Pro	Thr	Asn	Tyr	Pro	Ala	Ser	Arg	Ala	Ala	Leu	Val
1				5					10					15	
Ala	Gln	Asn	Tyr	Ile	Asn	Tyr	Gln	Gln	Gly	Thr	Pro	His	Arg	Val	Phe
		20					25						30		
Glu	Val	Gln	Lys	Val	Lys	Gln	Ala	Ser	Met	Glu	Asp	Ile	Pro	Gly	Arg
		35				40						45			
Gly	His	Lys	Tyr	His	Leu	Lys	Phe	Ala	Val	Glu	Glu	Ile	Ile	Gln	Lys
	50					55					60				
Gln	Val	Lys	Val	Asn	Cys	Thr	Ala	Glu	Val						
65						70									

<210> 5838
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 5838

Met	Arg	Ala	Pro	Met	Leu	Gln	Lys	Gln	Gln	Ala	Pro	Arg	Met	Asp	Thr
1				5					10					15	
Pro	Pro	Pro	Glu	Arg	Leu	Glu	Lys	Gln	Asn	Glu	Lys	Leu	Asn	Asn	
			20				25					30			
Gln	Glu	Glu	Glu	Thr	Glu	Phe	Lys	Glu	Leu	Asp	Gly	Leu	Arg	Glu	Ala
		35				40						45			
Leu	Ala	Asn	Leu	Arg	Gly	Leu	Ser	Glu	Glu	Glu	Arg	Ser	Glu	Lys	Ala
	50					55				60					
Met	Leu	Arg	Ser	Arg	Ile	Glu	Glu	Gln	Ser	Gln	Leu	Ile	Cys	Ile	Leu
65					70				75					80	
Lys	Arg	Arg	Ser	Asp	Glu	Ala	Leu	Glu	Arg	Cys	Gln	Ile	Leu	Glu	Leu
			85					90					95		
Leu	Asn	Ala	Glu	Leu	Glu	Glu	Lys	Met	Met	Gln	Glu	Ala	Glu	Lys	Leu
		100					105						110		
Lys	Ala	Gln	Gly	Glu	Xaa	Ser	Arg	Lys	Leu	Glu	Glu	Arg			
		115					120					125			

<210> 5839
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 5839

Met	Ser	Gly	Leu	Gly	Arg	Leu	Phe	Gly	Lys	Gly	Lys	Lys	Glu	Lys	Gly
1			5						10					15	
Pro	Thr	Pro	Glu	Glu	Ala	Ile	Gln	Lys	Leu	Lys	Glu	Thr	Glu	Lys	Ile
		20					25						30		
Leu	Ile	Lys	Lys	Gln	Glu	Phe	Leu	Glu	Gln	Lys	Ile	Gln	Gln	Glu	Leu
	35					40					45				
Gln	Thr	Ala	Lys	Lys	Tyr	Gly	Thr	Lys	Asn	Lys	Arg	Ala	Ala	Leu	Gln
	50					55				60					
Ala	Leu	Arg	Arg	Lys	Lys	Arg	Phe	Glu	Gln	Gln	Leu	Ala	Gln	Thr	Asp

65 70 75 80
 Gly Thr Leu Ser Thr Leu Glu Phe Gln Arg Glu Ala Ile Glu Asn Ala
 85 90 95
 Thr Thr Asn Ala Glu Val Leu Arg Thr Met Glu Leu Ala Ala Gln Ser
 100 105 110
 Met Lys Lys Ala Tyr Gln Asp Met Asp Ile Asp Lys Val Asp Glu Leu
 115 120 125
 Met Thr Asp Ile Thr
 130

<210> 5840
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5840
 Met Ala Ala Thr Ala Arg Arg Gly Trp Gly Ala Ala Ala Val Ala Ala
 1 5 10 15
 Gly Leu Arg Arg Arg Phe Cys His Lys Leu Lys Asn Pro Tyr Thr Ile
 20 25 30
 Lys Lys Gln Pro Leu His Gln Phe Val Gln Arg Pro Leu Phe Pro Leu
 35 40 45
 Pro Ala Ala Phe Tyr His Pro Val Arg Tyr Met Phe Ile Gln Thr Gln
 50 55 60
 Asp Thr
 65

<210> 5841
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5841
 Met Ser Ile Glu Lys Ile Trp Ala Arg Glu Ile Leu Asp Ser Arg Gly
 1 5 10 15
 Asn Pro Thr Val Glu Val Asp Leu Tyr Thr Ala Lys Gly Leu Phe Arg
 20 25 30
 Ala Ala Val Pro Ser Gly Ala Ser Thr Gly Ile Tyr Glu Ala Leu Glu
 35 40 45
 Leu Arg Asp Gly Asp Lys Gln Arg Tyr Leu Gly Lys Gly Val Leu Lys
 50 55 60
 Ala Val Asp His Ile Asn Ser Thr Ile Ala
 65 70

<210> 5842
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 5842
 Met Ala Asp Ala Trp Glu Glu Ile Arg Arg Leu Ala Ala Asp Phe Gln
 1 5 10 15
 Arg Ala Gln Phe Ala Glu Ala Thr Gln Arg Leu Ser Glu Arg Asn Cys
 20 25 30

[illegible]

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<210> 5846
<211> 405
<212> PRT
<213> Homo sapiens
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Met	Asp	His	Thr	Asp	Asn	Glu	Leu	Gln	Gly	Thr	Asn	Ser	Ser	Gly	Ser
1				5					10					15	
Leu	Gly	Gly	Leu	Asp	Val	Arg	Arg	Arg	Ile	Pro	Ile	Lys	Leu	Ile	Ser
			20					25					30		
Lys	Gln	Ala	Asn	Lys	Ala	Lys	Pro	Ala	Pro	Arg	Thr	Gln	Arg	Thr	Ile
		35					40					45			
Asn	Arg	Met	Pro	Ala	Lys	Ala	Pro	Pro	Gly	Asp	Glu	Gly	Phe	Asp	Tyr
	50					55					60				
Asn	Glu	Glu	Glu	Arg	Tyr	Asp	Cys	Lys	Gly	Gly	Glu	Leu	Phe	Ala	Asn
65					70					75					80
Gln	Arg	Arg	Phe	Pro	Gly	His	Leu	Phe	Trp	Asp	Phe	Gln	Ile	Asn	Ile
				85					90					95	
Leu	Gly	Glu	Lys	Asp	Asp	Thr	Pro	Val	His	Phe	Cys	Asp	Lys	Cys	Gly
			100					105					110		
Leu	Pro	Ile	Lys	Ile	Tyr	Gly	Arg	Met	Ile	Pro	Cys	Lys	His	Val	Phe
		115					120					125			
Cys	Tyr	Asp	Cys	Ala	Ile	Leu									
	130					135									

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<210> 5847
<211> 285
<212> PRT
<213> Homo sapiens
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Met	Tyr	Ala	Val	Tyr	Lys	Gln	Ala	His	Pro	Pro	Thr	Gly	Leu	Glu	Phe
1				5					10					15	
Ser	Met	Tyr	Cys	Asn	Phe	Phe	Asn	Asn	Ser	Glu	Arg	Asn	Leu	Val	Val
			20					25					30		
Ala	Gly	Thr	Ser	Gln	Leu	Tyr	Val	Tyr	Arg	Leu	Asn	Arg	Asp	Ala	Glu
			35				40					45			
Ala	Leu	Thr	Lys	Asn	Asp	Arg	Ser	Thr	Glu	Gly	Lys	Ala	His	Arg	Glu
			50			55					60				
Lys	Leu	Glu	Leu	Ala	Ala	Ser	Phe	Ser	Phe	Phe	Gly	Asn	Val	Met	Ser
65					70					75					
Met	Ala	Ser	Val	Gln	Leu	Ala	Gly	Ala	Lys	Arg	Asp	Ala	Leu	Leu	
				85					90					95	

<210> 5848
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 5848
 Met Ser Asp Cys Cys Ser Ala Pro Gly Ile Ser Trp Glu Ala Gly Val
 1 5 10 15
 Gly Arg Pro Ala Val Xaa Gly Leu Glu Leu Gln Ile Arg Arg Gly Ala
 20 25 30
 Met Ser Glu Glu Thr Val Ser Glu Ser Gln Phe Ser Leu Lys Thr Ala
 35 40 45
 Ala Leu Arg Val Phe Asp Leu Pro Leu Thr Trp Xaa Tyr Ser Leu Ser
 50 55 60
 Gln Ile Lys Phe Ser Pro Xaa Ala Lys Lys Leu Phe Val Val Thr Ala
 65 70 75 80
 Val Ser Ala Ile Ser Val Ile Phe Leu Ala His His Phe Lys Arg Lys
 85 90 95
 Arg Gly Lys Lys Lys Gly Lys Ile Leu Pro Trp Glu Pro Glu His Leu
 100 105 110
 Ile Leu Glu Tyr Thr Lys Arg
 115

<210> 5849
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 5849
 Met His Phe Arg Asn Phe Asn Tyr Ser Phe Ser Ser Leu Ile Ala Cys
 1 5 10 15
 Val Ala Asn Ser Asp Ile Phe Ser Glu Ser Glu Thr Arg Ala Lys Phe
 20 25 30
 Glu Ser Leu Phe Arg Thr Tyr Asp Lys Asp Ile Thr Phe Gln Tyr Phe
 35 40 45
 Lys Ser Phe Lys Arg Val Arg Ile Asn Phe Ser Asn Pro Phe Ser Ala
 50 55 60
 Ala Asp Ala Arg Leu Gln Leu His Lys Thr Glu Phe Leu Gly Lys Glu
 65 70 75 80
 Met Lys Leu Tyr Phe Ala Gln Thr Leu His Ile Gly Ser Ser His Leu
 85 90 95
 Ala Pro Pro Asn Pro Asp Lys Gln Phe Leu Ile Ser Pro Pro Ala
 100 105 110

<210> 5850
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5850
 Met Met Trp Gln Cys His Leu Ser Ala Gln Asp Tyr Arg Tyr Tyr Pro
 1 5 10 15
 Val Asp Gly Tyr Ser Leu Leu Lys Arg Phe Pro Leu His Pro Leu Thr
 20 25 30

Gly Pro Arg Cys Pro Val Gln Thr Val Gly Gln Trp Leu Glu Ser Ile
 35 40 45
 Gly Leu Pro Gln Tyr Glu Asn His Leu Met Ala Asn Gly Phe Asp Asn
 50 55 60
 Val Gln
 65

<210> 5851
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 5851
 Met Pro Thr Gly Asp Phe Asp Ser Lys Pro Ser Trp Ala Asp Gln Val
 1 5 10 15
 Glu Glu Glu Gly Glu Asp Asp Lys Cys Val Thr Ser Glu Leu Leu Lys
 20 25 30
 Gly Ile Pro Leu Ala Thr Gly Asp Thr Ser Pro Glu Pro Glu Leu Leu
 35 40 45
 Pro Gly Ala Pro Leu Pro Pro Lys Glu Val Ile Asn Gly Asn Ile
 50 55 60
 Lys Thr Val Thr Glu Tyr Lys Ile Asp Glu Asp Gly Lys Lys Phe Lys
 65 70 75 80
 Ile Val Arg Thr Phe Arg Ile Glu Thr Arg Lys Ala Ser Lys Ala Val
 85 90 95
 Ala Arg Arg Lys Asn Trp Lys Lys Phe Gly Thr Gln Ser Leu Xaa Pro
 100 105 110
 Arg Xaa Gln Cys Gly Xaa His His Cys Gln Xaa Arg Cys
 115 120 125

<210> 5852
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 5852
 Met Ala Ile Met Lys Glu Glu Asn Thr Gly Ala Gly Ala Glu Ala Lys
 1 5 10 15
 Arg Thr Asn Phe Phe Leu Lys Gln Gly Arg Arg His Glu Ser Xaa Asp
 20 25 30
 Lys Ser Ser Lys Lys His Lys Ser Glu Glu His Asn Asp Lys Glu Xaa
 35 40 45
 Ser Ser Asp Lys Gly Arg Glu Arg Leu Asn Ser Ser Glu Asn Gly Glu
 50 55 60
 Asp Arg His Lys Arg Lys Glu Arg Lys Ser Ser Arg Gly Arg Ser His
 65 70 75 80
 Ser Arg Ser Arg Ser Arg Glu Arg Arg His Arg Ser Arg Ser Arg Glu
 85 90 95
 Arg Lys Lys Ser Arg Ser Arg Ser Arg Glu Arg Lys Lys Ser Arg Ser
 100 105 110
 Arg Ser Arg Glu Arg Lys Lys Ser Arg Ser
 115 120

<210> 5853

<211> 213
 <212> PRT
 <213> Homo sapiens

<400> 5853
 Met Cys Val Val Ala Ala Ala Glu Glu Leu Val Cys Gly Xaa Arg Gly
 1 5 10 15
 Leu Trp Met Arg Arg Thr Arg Arg Pro Arg Phe Val Leu Met Asn Lys
 20 25 30
 Met Asp Asp Leu Asn Leu His Tyr Arg Phe Leu Asn Trp Arg Arg Arg
 35 40 45
 Ile Arg Glu Ile Arg Glu Val Arg Ala Phe Arg Tyr Gln Glu Arg Phe
 50 55 60
 Lys His Ile Leu Val Asp Gly
 65 70

<210> 5854
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 5854
 Met Pro Pro Asn Leu Thr Gly Tyr Tyr Arg Phe Val Ser Gln Lys Asn
 1 5 10 15
 Met Glu Asp Tyr Leu Gln Ala Leu Asn Ile Ser Leu Ala Val Arg Lys
 20 25 30
 Ile Ala Leu Leu Leu Lys Pro Asp Lys Glu Ile Glu His Gln Gly Asn
 35 40 45
 His Met Thr Val Arg Thr Leu Ser Thr
 50 55

<210> 5855
 <211> 426
 <212> PRT
 <213> Homo sapiens

<400> 5855
 Met Asp Leu Val Leu Arg Val Ala Asp Tyr Tyr Phe Phe Thr Pro Tyr
 1 5 10 15
 Val Tyr Pro Ala Thr Trp Pro Glu Asp Asp Ile Phe Arg Gln Ala Ile
 20 25 30
 Ser Leu Leu Ile Val Thr Asn Val Gly Ala Tyr Ile Leu Tyr Phe Phe
 35 40 45
 Cys Ala Thr Leu Ser Tyr Tyr Phe Val Phe Asp His Ala Leu Met Lys
 50 55 60
 His Pro Gln Phe Leu Lys Asn Gln Val Arg Arg Glu Ile Lys Phe Thr
 65 70 75 80
 Val Gln Ala Leu Pro Trp Ile Ser Ile Leu Thr Val Ala Leu Phe Leu
 85 90 95
 Leu Glu Ile Arg Gly Tyr Ser Lys Leu His Asp Asp Leu Gly Glu Phe
 100 105 110
 Pro Tyr Gly Leu Phe Glu Leu Val Ser Ile Ile Leu Ser Ser Phe
 115 120 125
 Ser Leu Thr Cys Ser Ser Thr Gly Phe Thr Glu Ala Phe Ile

130

135

140

<210> 5856
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 5856
 Met Ala Ala Ala Val Arg Cys Met Gly Arg Ala Leu Ile His His Gln
 1 5 10 15
 Arg His Ser Leu Ser Lys Met Val Tyr Gln Thr Ser Leu Cys Ser Cys
 20 25 30
 Ser Val Asn Ile Arg Val Pro Asn Arg His Phe Ala Ala Ala Thr Lys
 35 40 45
 Ser Ala Lys Lys Thr Lys Lys Gly Ala Lys Glu Lys Thr Pro Asp Glu
 50 55 60
 Lys Lys Asp Glu Ile Glu Lys Ile Lys Ala Tyr Pro Tyr Met Glu
 65 70 75

<210> 5857
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 5857
 Met Leu Arg Lys Leu Trp Gln Leu Pro Lys Thr Leu Lys Glu Asn Gln
 1 5 10 15
 Phe Phe Asn Ser Arg Cys Leu Ile Tyr Cys Glu Phe Ala Gln Ser Leu
 20 25 30
 Met Thr Leu Lys Thr Phe Trp Gly Ile His Thr Gln Lys Ala Gly Ser
 35 40 45
 Asn Thr Gln
 50

<210> 5858
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 5858
 Met Leu Val Gly Asn Lys Ser Asp Leu Arg His Leu Arg Ala Val Pro
 1 5 10 15
 Thr Asp Glu Ala Arg Ala Phe Ala Glu Lys Asn Asn Xaa Ser Phe Ile
 20 25 30
 Glu Thr Ser Ala Leu Asp Ser Thr Asn Val Glu Glu Ala Phe Lys Xaa
 35 40 45
 Ile Leu Thr Glu Ile Tyr Arg Ile Val Ser Gln Lys Gln Ile Ala Asp
 50 55 60
 Arg Ala Ala His Asp Glu Ser Pro Gly Asn Asn
 65 70 75

<210> 5859
 <211> 582
 <212> PRT

<213> Homo sapiens

<400> 5859

Met Gly Thr Arg Asp Asp Glu Tyr Asp Tyr Leu Phe Lys Val Val Leu
1 5 10 15
Ile Gly Asp Ser Gly Val Gly Lys Ser Asn Leu Leu Ser Arg Phe Thr
20 25 30
Arg Asn Glu Phe Asn Leu Glu Ser Lys Ser Thr Ile Gly Val Glu Phe
35 40 45
Ala Thr Arg Ser Ile Gln Val Asp Gly Lys Thr Ile Lys Ala Gln Ile
50 55 60
Trp Asp Thr Ala Gly Gln Glu Arg Tyr Arg Ala Ile Thr Ser Ala Tyr
65 70 75 80
Tyr Arg Gly Ala Val Gly Ala Leu Leu Val Tyr Asp Ile Ala Lys His
85 90 95
Leu Thr Tyr Glu Asn Val Glu Arg Trp Leu Lys Glu Leu Arg Asp His
100 105 110
Ala Asp Ser Asn Ile Val Ile Met Leu Val Gly Asn Lys Ser Asp Leu
115 120 125
Arg His Leu Arg Ala Val Pro Thr Asp Glu Ala Arg Ala Phe Ala Glu
130 135 140
Lys Asn Asn Xaa Ser Phe Ile Glu Thr Ser Ala Leu Asp Ser Thr Asn
145 150 155 160
Val Glu Glu Ala Phe Lys Xaa Ile Leu Thr Glu Ile Tyr Arg Ile Val
165 170 175
Ser Gln Lys Gln Ile Ala Asp Arg Ala Ala His Asp Glu Ser Pro Gly
180 185 190
Asn Asn

<210> 5860

<211> 225

<212> PRT

<213> Homo sapiens

<400> 5860

Met Glu Thr Ile Glu Ile Ala Thr Val Met Pro Ser Gly Asn Arg Glu
1 5 10 15
Leu Leu Thr Pro Pro Pro Gln Pro Glu Lys Ala Gln Glu Glu Glu
20 25 30
Glu Glu Glu Ser Thr Pro Arg Leu Ile Asp Gly Ser Ser Pro Gln Glu
35 40 45
Pro Glu Phe Thr Gly Val Leu Gly Pro His Thr Asn Gly Leu Ser Asn
50 55 60
Leu Xaa Phe Val Tyr Leu Tyr Lys Tyr His Arg
65 70 75

<210> 5861

<211> 186

<212> PRT

<213> Homo sapiens

<400> 5861

Met Thr Asn Met Thr Gln Ser Leu Glu Arg Met Lys Gln Ser Trp Lys
1 5 10 15

Glu Ala Pro Lys His Ile Lys Glu Thr Tyr Gly Gln Gln Tyr Phe Asp
 20 25 30
 Ala Leu Tyr Asn Ile Met Lys Glu Gly Leu Leu Asn Cys Ser Thr Asn
 35 40 45
 Leu Asn Leu Val Thr Asp Cys Met Glu His Ala Leu Thr Ser
 50 55 60

<210> 5862
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 5862
 Met Ser Lys Asn Thr Val Ser Ser Ala Arg Phe Arg Lys Val Asp Val
 1 5 10 15
 Asp Glu Tyr Asp Glu Asn Lys Phe Val Asp Glu Glu Asp Gly Gly Asp
 20 25 30
 Gly Gln Ala Gly Pro Asp Glu Gly Glu Val Asp Ser Cys Leu Arg Gln
 35 40 45
 Gly Asn Met Thr Ala Ala Leu Gln Ala Ala Leu Lys Asn Pro Pro Ile
 50 55 60
 Asn Thr Lys Ser Gln Ala Val Lys Asp Arg Ala Gly Ser Ile Val Leu
 65 70 75 80
 Lys Val Leu Ile Ser Phe Lys Ala Asn Asp Ile Glu Lys Ala Val Gln
 85 90 95
 Ser Leu Asp Lys Asn Gly Val Asp Leu Leu Met Lys Tyr Ile Tyr Lys
 100 105 110
 Gly Phe Glu
 115

<210> 5863
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5863
 Met Ala Gly Thr Cys Ile Trp Cys Ile Thr Thr Leu His Phe Ala Asp
 1 5 10 15
 His Thr Gln Pro Glu Val Thr Val Ala Ser Leu Thr Ala Lys Asp Arg
 20 25 30
 Gly Asp Ser Gly Trp Thr Gly Glu Ile Gln Val Glu Pro Arg Leu Lys
 35 40 45
 Thr Ser Leu Gln Arg Cys Lys Met Thr Arg Gln Gly Val Cys His Gln
 50 55 60
 Asn Ser Gln Glu Leu Ser Leu Gln Asn Pro Ser Val
 65 70 75

<210> 5864
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 5864
 Met Gly Thr Pro Gln Lys Asp Val Ile Ile Lys Ser Asp Ala Pro Asp

1 5 10 15
 Thr Leu Leu Leu Glu Lys His Ala Asp Tyr Ile Ala Ser Tyr Gly Ser
 20 25 30
 Lys Lys Asp Asp Tyr Glu Tyr Cys Met Ser Glu Tyr Leu Arg Met Ser
 35 40 45
 Gly Ile Tyr Trp Gly Leu Thr Val Met Asp Leu Met Gly Xaa Leu His
 50 55 60
 Arg Met Asn Arg Glu Glu Ile Leu Ala Phe Ile Lys Ser Cys Gln His
 65 70 75 80
 Glu Cys Gly Gly Ile Ser Ala Ser Ile Gly His Asp Pro His Leu Leu
 85 90 95
 Tyr Thr Leu Ser Ala Val Gln Val Asn Thr Asn Gln Asn Cys Asn Asp
 100 105 110
 Leu Asp Ser Met Phe Ser Tyr
 115

<210> 5865
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 5865
 Met Pro Lys Val Val Ser Arg Ser Val Val Cys Ser Asp Thr Arg Asp
 1 5 10 15
 Arg Glu Glu Tyr Asp Asp Gly Glu Lys Pro Leu His Val Tyr Tyr Cys
 20 25 30
 Leu Cys Gly Gln Met Val Leu Val Leu Asp Cys Gln Leu Glu Lys Leu
 35 40 45
 Pro Met Arg Pro Arg Asp Arg Ser Arg Val Ile Asp Ala Ala Lys His
 50 55 60
 Ala His Lys Phe Cys Asn Thr Glu Asp Glu Glu Thr Met Tyr Leu Arg
 65 70 75 80
 Arg Pro Glu Gly Ile Glu Arg
 85

<210> 5866
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 5866
 Met Glu Ser Ile Phe His Glu Lys Gln Glu Gly Ser Leu Cys Ala Gln
 1 5 10 15
 His Cys Leu Asn Asn Leu Leu Gln Gly Glu Tyr Phe Ser Pro Val Glu
 20 25 30
 Leu Ser Ser Ile Ala His Ser Trp Met Arg Lys Arg Met Arg Met Ala
 35 40 45
 Glu Gly Gly Val Thr Ser Glu Asp Tyr Arg Thr Phe Leu Gln Val Leu
 50 55 60
 Ile Leu Asn Ser Leu Ser His Ile Ser Phe Phe Phe
 65 70 75

<210> 5867
 <211> 276

<212> PRT

<213> Homo sapiens

<400> 5867

Met Ala Glu Tyr Thr Arg Leu His Asn Ala Leu Ala Leu Ile Arg Leu
1 5 10 15
Arg Asn Pro Pro Val Asn Ala Ile Ser Thr Thr Leu Xaa Arg Asp Ile
20 25 30
Lys Glu Gly Leu Gln Lys Ala Val Ile Asp His Thr Ile Lys Ala Ile
35 40 45
Val Ile Cys Gly Ala Glu Gly Lys Phe Ser Ala Gly Ala Asp Ile Arg
50 55 60
Gly Phe Ser Ala Pro Arg Thr Phe Gly Leu Thr Leu Gly His Val Val
65 70 75 80
Asp Glu Ile Gln Arg Asn Glu Lys Pro Val Val Ala
85 90

<210> 5868

<211> 171

<212> PRT

<213> Homo sapiens

<400> 5868

Met Ser Leu Gly Pro Leu Tyr Ala Glu Arg Ala Leu Arg Val Lys Ala
1 5 10 15
Val Lys Leu Glu Lys Glu Val Xaa Asp Leu Thr Val Arg Xaa Gln Arg
20 25 30
Ala Xaa Xaa Asp Cys Glu Asn Xaa Arg Arg Arg Thr Gln Arg Cys Val
35 40 45
Glu Asp Ala Lys Ile Phe Gly Ile Gln
50 55

<210> 5869

<211> 444

<212> PRT

<213> Homo sapiens

<400> 5869

Met Ala Ala Pro Leu Gly Gly Met Phe Ser Gly Gln Pro Pro Gly Pro
1 5 10 15
Pro Gln Ala Pro Pro Gly Leu Pro Gly Gln Ala Ser Leu Leu Gln Ala
20 25 30
Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val Asp Glu Leu
35 40 45
Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp Tyr
50 55 60
Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln Cys
65 70 75 80
Ile Gln Xaa Xaa Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe Xaa
85 90 95
Gln Lys Arg Leu Gln Leu Xaa Val Gln Lys Pro Glu Gln Val Ile Lys
100 105 110
Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys Asp Ala Leu
115 120 125

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Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu Glu
 130 135 140
 Asp Ile Asn Val
 145

<210> 5870
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 5870
 Met Ala Gln Ser Arg Asp Gly Gly Asn Pro Phe Ala Glu Pro Ser Glu
 1 5 10 15
 Leu Asp Asn Pro Phe Gln Asp Pro Ala Val Ile Gln His Arg Pro Ser
 20 25 30
 Arg Gln Tyr Ala Thr Leu Asp Val Tyr Asn Pro Phe Glu Thr Arg Glu
 35 40 45
 Ala Ser Ala Ala Ala Thr Ala Glu Leu Leu Lys Lys Gln Glu Glu
 50 55 60
 Leu Asn Arg Lys Ala Glu Glu Leu Asp Arg Arg Lys Arg Glu Leu Gln
 65 70 75 80
 His Ala

<210> 5871
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 5871
 Met Ala Ala Lys Val Phe Glu Ser Ile Gly Lys Phe Gly Leu Xaa Leu
 1 5 10 15
 Ala Val Ala Gly Gly Val Val Asn Ser Ala Leu Tyr Asn Val Asp Ala
 20 25 30
 Gly His Arg Ala Val Ile Phe Asp Arg Phe Arg Gly Val Gln Asp Ile
 35 40 45
 Val Val Gly Glu Gly Thr His Phe Leu Ile Pro Trp Val Gln Lys Pro
 50 55 60
 Ile Ile Phe Asp Cys Arg Ser Arg Pro Arg Asn Val Pro Val Ile Thr
 65 70 75 80
 Gly Ser Lys Asp Leu Gln Asn Val Asn Ile Thr Leu Arg Ile Leu Phe
 85 90 95
 Arg Pro Val Ala Ser Gln Leu Pro Arg Ile Phe Thr Ser Ile Gly Glu
 100 105 110
 Asp Tyr Asp Glu Arg Val Leu Pro Ser Ile Thr Thr Glu Ile Leu Lys
 115 120 125
 Ser Val Val Ala Arg Phe
 130

<210> 5872
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 5872

Met Ala Ala Lys Val Phe Glu Ser Ile Gly Lys Phe Gly Leu Xaa Leu
 1 5 10 15
 Ala Val Ala Gly Gly Val Val Asn Ser Ala Leu Xaa Asn Val Asp Ala
 20 25 30
 Gly His Arg Ala Val Ile Phe Asp Arg Phe Arg Gly Val Gln Asp Ile
 35 40 45
 Val Val Gly Glu Gly Thr His Phe Leu Ile Pro Trp Val Gln Lys Pro
 50 55 60
 Ile Ile Phe Asp Cys Arg Ser Arg Pro Arg Asn Val Pro Val Ile Thr
 65 70 75 80
 Gly Ser Lys Asp Leu Gln Asn Val Asn Ile Thr Leu Arg Ile Leu Phe
 85 90 95
 Arg Pro Val Ala Ser Gln Leu Pro Arg Ile Phe Thr Ser Ile Gly Glu
 100 105 110
 Asp Tyr Asp Glu Arg Val Leu Pro Ser Ile Thr Thr Glu Ile Leu Lys
 115 120 125
 Ser Val Val Ala Arg Phe
 130

<210> 5873
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 5873
 Met Gly Lys Val Asn Val Ala Lys Leu Arg Tyr Met Ser Arg Asp Asp
 1 5 10 15
 Phe Arg Val Leu Thr Ala Val Glu Met Gly Met Lys Asn His Glu Ile
 20 25 30
 Val Pro Gly Ser Leu Ile Ala Ser Ile Ala Ser Leu Lys His Gly Gly
 35 40 45
 Cys Asn Lys Val Leu Arg Glu Leu Val Lys His Lys Leu Ile Ala Trp
 50 55 60

<210> 5874
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 5874
 Met Ala Val Arg Lys Lys Asp Gly Gly Pro Asn Val Lys Tyr Tyr Glu
 1 5 10 15
 Ala Ala Asp Thr Val Thr Gln Phe Asp Asn Val Arg Leu Trp Leu Gly
 20 25 30
 Lys Asn Tyr Lys Lys Tyr Ile Gln Ala Glu Pro Pro Thr Asn Lys Ser
 35 40 45
 Leu Ser Ser Leu Val Val Gln Leu Leu Gln Phe Gln Glu Glu Val Phe
 50 55 60
 Gly Lys His Val Ser Asn Ala Pro Leu Thr Lys Leu Pro Ile Lys Cys
 65 70 75 80
 Phe Leu Asp Phe Lys Ala Gly Gly Ser Leu Cys His Ile Leu Ala Ala
 85 90 95
 Ala Tyr Lys Phe Lys Ser Asp Gln Gly Trp Arg Arg Tyr Asp Phe Gln
 100 105 110

Asn Pro Ser Arg Met Asp Arg Asn Val Glu Met Phe Met Thr
 115 120 125

<210> 5875
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 5875
 Met Pro Gly Ser Gln Gly Gln Ile His Ile Pro Pro Ile Leu Gly Ala
 1 5 10 15
 Leu Glu Val Pro Ile Leu Pro Thr His His Leu Leu Ile His Pro Phe
 20 25 30
 Pro Gln Ala Pro Val Leu Leu Pro Gln Glu Leu Pro Met Ala Ile Gln
 35 40 45
 Leu Ser Pro Gln Val Gly Pro Leu Ile Leu Cys His Ser Gln Gly Ile
 50 55 60
 Gln Asp Ala Asn Arg Trp Val Pro Thr Leu Leu His Thr His
 65 70 75

<210> 5876
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 5876
 Met Ser Glu Thr Gln Asn Ser Thr Ser Gln Lys Ala Met Asp Glu Asp
 1 5 10 15
 Asn Lys Ala Ala Ser Gln Thr Met Pro Asn Thr Gln Asp Lys Asn Tyr
 20 25 30
 Glu Asp Glu Leu Thr Gln Val Ala Leu Ala Leu Val Glu Asp Val Ile
 35 40 45
 Asn Tyr Ala Val Lys Ile Val Glu
 50 55

<210> 5877
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 5877
 Met Ser Arg Arg Ala Leu Arg Arg Leu Arg Gly Glu Gln Arg Gly Gln
 1 5 10 15
 Glu Pro Leu Gly Pro Gly Ala Leu His Phe Asp Leu Arg Asp Asp Asp
 20 25 30
 Asp Ala Glu Glu Glu Gly Pro Lys Arg Glu Leu Gly Val Arg Arg Pro
 35 40 45
 Gly Gly Ala Gly Lys Glu Gly Val Arg Val Asn Asn Arg Phe Glu Leu
 50 55 60
 Ile Asn Ile Asp Asp Leu Glu Asp Asp Pro Val Val Asn Gly Xaa Xaa
 65 70 75 80
 Ser Gly Cys Ala Leu Thr Asp Ala Val Ala Pro Gly Asn Lys Gly Arg
 85 90 95
 Gly Xaa Arg Gly Asn Thr Glu

100

<210> 5878
<211> 477
<212> PRT
<213> Homo sapiens

<400> 5878

Met Ala Met His Asn Lys Ala Ala Pro Pro Xaa Ile Pro Asp Thr Arg
1 5 10 15
Arg Glu Leu Ala Xaa Leu Val Lys Arg Lys Gln Glu Leu Ala Glu Thr
20 25 30
Leu Ala Asn Leu Glu Arg Gln Ile Tyr Ala Phe Glu Gly Ser Tyr Leu
35 40 45
Glu Asp Thr Gln Met Tyr Gly Asn Ile Ile Arg Gly Trp Asp Arg Tyr
50 55 60
Leu Thr Asn Gln Lys Asn Ser Asn Ser Lys Asn Asp Arg Arg Asn Arg
65 70 75 80
Lys Phe Lys Glu Ala Glu Arg Leu Phe Ser Lys Ser Ser Val Thr Ser
85 90 95
Ala Ala Ala Val Ser Ala Leu Ala Gly Val Gln Asp Gln Leu Ile Glu
100 105 110
Lys Arg Glu Pro Gly Ser Gly Thr Glu Ser Asp Thr Ser Pro Asp Phe
115 120 125
His Asn Gln Glu Asn Glu Pro Ser Gln Glu Asp Pro Glu Xaa Leu Asp
130 135 140
Gly Ser Val Gln Gly Val Asn Leu Arg Arg Leu Leu Leu Leu
145 150 155

<210> 5879
<211> 300
<212> PRT
<213> Homo sapiens

<400> 5879

Met Ser Leu Val Ile Arg Asn Leu Gln Arg Val Ile Pro Ile Arg Arg
1 5 10 15
Ala Pro Leu Arg Ser Lys Ile Glu Ile Val Arg Arg Ile Leu Gly Val
20 25 30
Gln Lys Phe Asp Leu Gly Ile Ile Cys Val Asp Asn Lys Asn Ile Gln
35 40 45
His Ile Asn Arg Ile Tyr Arg Asp Arg Asn Val Pro Thr Asp Val Leu
50 55 60
Ser Phe Pro Phe His Glu His Leu Lys Ala Gly Glu Phe Pro Gln Pro
65 70 75 80
Asp Phe Pro Asp Xaa Tyr Asn Leu Gly Xaa Ile Phe Leu Gly Val Glu
85 90 95
Tyr Ile Phe His
100

<210> 5880
<211> 249
<212> PRT
<213> Homo sapiens

[illegible]

<210> 5883
 <211> 657
 <212> PRT
 <213> Homo sapiens

<400> 5883
 Met Ser Asp Glu Glu Val Glu Gln Val Glu Glu Gln Tyr Glu Glu Glu
 1 5 10 15
 Glu Glu Ala Gln Glu Glu Glu Glu Lys Pro Arg Pro Lys Leu Thr Ala
 20 25 30
 Pro Lys Ile Pro Glu Gly Glu Lys Val Asp Phe Asp Asp Ile Gln Lys
 35 40 45
 Lys Arg Gln Asn Lys Asp Leu Met Glu Leu Gln Ala Leu Ile Asp Ser
 50 55 60
 His Phe Glu Ala Arg Lys Lys Glu Glu Glu Glu Leu Val Ala Leu Lys
 65 70 75 80
 Glu Arg Ile Glu Lys Arg Arg Ala Glu Xaa Ala Xaa Ser Arg Cys Cys
 85 90 95
 Pro Gln Gly Ala Pro Ala Leu Leu Thr Leu Asp Pro Gln Lys Pro Pro
 100 105 110
 Thr Phe Thr Met Ser Asp Glu Glu Val Glu Gln Val Glu Glu Gln Tyr
 115 120 125
 Glu Glu Glu Glu Glu Ala Gln Glu Glu Glu Val Gln Glu Glu Glu
 130 135 140
 Lys Pro Arg Pro Lys Leu Thr Ala Pro Lys Ile Pro Glu Gly Glu Lys
 145 150 155 160
 Val Asp Phe Asp Asp Ile Gln Lys Lys Arg Gln Asn Lys Asp Leu Met
 165 170 175
 Glu Leu Gln Ala Leu Ile Asp Ser His Phe Glu Ala Arg Lys Lys Glu
 180 185 190
 Glu Glu Glu Leu Val Ala Leu Lys Glu Arg Ile Glu Lys Arg Arg Ala
 195 200 205
 Glu Arg Ala Xaa Ser Arg Gly Phe Val Gln Arg
 210 215

<210> 5884
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5884
 Met Ser Arg Glu Arg Phe Ser Pro Pro Val Ser Ala Val Thr Ala Leu
 1 5 10 15
 Gly Phe Ser Ser Gly Trp Leu Phe Asn Phe Ser Leu Gly Ala Arg Arg
 20 25 30
 Gly Met Leu Cys Gly Thr Ser Tyr Cys Leu Phe Leu Arg Phe Leu Pro
 35 40 45
 Phe Ser Leu Pro Xaa Leu Ser
 50 55

<210> 5885
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 5885

Met Thr Val Leu Gln Glu Pro Val Gln Ala Ala Ile Trp Gln Ala Leu
1 5 10 15
Asn His Tyr Ala Tyr Arg Asp Ala Val Phe Leu Ala Glu Arg Leu Tyr
20 25 30
Ala Glu Val His Ser Glu Glu Ala Leu Phe Leu Leu Ala Thr Cys Tyr
35 40 45
Tyr Arg Ser Gly Lys Ala Tyr Lys Ala Tyr Arg Leu Leu Lys
50 55 60

<210> 5886

<211> 237

<212> PRT

<213> Homo sapiens

<400> 5886

Met Ala Lys Pro Ala Gln Gly Ala Lys Tyr Arg Gly Ser Ile His Asp
1 5 10 15
Phe Pro Gly Phe Asp Pro Asn Gln Asp Ala Glu Ala Leu Tyr Thr Ala
20 25 30
Met Lys Gly Phe Gly Ser Asp Lys Glu Ala Ile Leu Asp Ile Ile Thr
35 40 45
Ser Arg Ser Asn Arg Gln Arg Gln Glu Val Cys Gln Ser Tyr Lys Ser
50 55 60
Leu Tyr Gly Lys Asp Leu Ile Ala Asp Leu Lys Tyr Glu Leu Thr
65 70 75

<210> 5887

<211> 201

<212> PRT

<213> Homo sapiens

<400> 5887

Met Asn Gly Thr Ala Asn Pro Leu Leu Asp Arg Glu Glu His Cys Leu
1 5 10 15
Arg Leu Gly Glu Ser Phe Glu Lys Arg Pro Arg Ala Ser Phe His Thr
20 25 30
Ile Arg Tyr Asp Phe Lys Pro Ala Ser Ile Asp Thr Ser Cys Glu Gly
35 40 45
Glu Leu Gln Val Gly Lys Gly Asp Xaa Xaa Gln Leu His Cys His Ile
50 55 60
Ser Leu Asp
65

<210> 5888

<211> 246

<212> PRT

<213> Homo sapiens

<400> 5888

Met Ala Gln His Phe Ser Leu Ala Ala Cys Asp Val Val Gly Phe Asp
1 5 10 15
Leu Asp His Thr Leu Cys Arg Tyr Asn Leu Pro Glu Ser Ala Leu Pro

20 25 30
 Arg Asp Pro Arg Ser Pro Ala Pro Asp Leu Ser Ala Ile Asn Gln Pro
 35 40 45
 Ala Gly Arg Ala Glu Arg Arg Ser Gly Pro Ala Thr Leu Ser Ala Ser
 50 55 60
 Ile Gln Ser Ile Asn Cys Cys Arg Glu Ala Arg Val Ser Ser Ser Pro
 65 70 75 80
 Val Asn

<210> 5889
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 5889
 Met Ala Ala Ala Val Ala Gly Met Leu Arg Gly Gly Leu Leu Pro Gln
 1 5 10 15
 Ala Gly Arg Leu Pro Thr Leu Gln Thr Val Arg Tyr Gly Ser Lys Ala
 20 25 30
 Val Thr Arg His Arg Arg Val Met His Phe Gln Arg Gln Lys Leu Met
 35 40 45
 Ala Val Thr Glu Tyr Ile Pro Pro Lys Pro Ala Ile His Pro Ser Cys
 50 55 60
 Leu Pro Ser Pro Pro Ser Pro Pro Gln Glu Glu Ile Gly Leu Ile Arg
 65 70 75 80
 Leu Leu Arg Arg Glu Ile Ala Ala Val Phe Gln Asp Asn Arg Met Ile
 85 90 95
 Ala Val Cys Gln Asn Val Ala Leu Ser Ala Glu Asp Lys Leu Leu Met
 100 105 110
 Arg His Gln Leu Arg Lys His Lys Ile Leu
 115 120

<210> 5890
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5890
 Met His Phe Gln Arg Gln Lys Leu Met Ala Val Thr Glu Tyr Ile Pro
 1 5 10 15
 Pro Lys Pro Ala Ile His Pro Ser Cys Leu Pro Ser Pro Pro Ser Pro
 20 25 30
 Pro Gln Glu Glu Ile Gly Leu Ile Arg Leu Leu Arg Arg Glu Ile Ala
 35 40 45
 Ala Val Xaa Gln Xaa Ala Ser Ser Ala Val Val Gly
 50 55 60

<210> 5891
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 5891
 Met Phe Glu Ala Arg Leu Val Gln Gly Ser Ile Leu Lys Lys Val Leu

1 5 10 15
 Glu Ala Leu Lys Asp Leu Ile Asn Glu Ala Cys Trp Asp Ile Ser Ser
 20 25 30
 Ser Gly Val Asn Leu Gln Ser Met Asp Ser Ser His Val Ser Leu Val
 35 40 45
 Gln Leu Thr Leu Arg Ser Glu Gly Phe Asp Thr Tyr Arg Cys Asp Arg
 50 55 60
 Asn Leu Ala Met Gly Val Asn Leu Thr Ser Met Ser Lys Ile Leu Lys
 65 70 75 80
 Cys Ala Gly

<210> 5892
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 5892
 Met Ser Phe Leu Gly Gly Phe Phe Gly Pro Ile Cys Glu Ile Asp Ile
 1 5 10 15
 Val Leu Asn Asp Gly Glu Thr Arg Lys Met Ala Glu Met Lys Thr Glu
 20 25 30
 Asp Gly Lys Val Glu Lys His Tyr Leu Phe Tyr Asp Gly Glu Ser Val
 35 40 45
 Ser Gly Lys Val Asn Leu Ala Phe Lys Gln Pro Gly Lys Arg Leu Glu
 50 55 60
 His Gln Gly Ile Arg Ile Glu Phe Val Gly Gln Ile Xaa Leu Phe Asn
 65 70 75 80
 Asp Lys Ser Asn Thr His Glu Phe Val Asn Leu Val Lys Glu Leu Ala
 85 90 95
 Leu Pro Gly Glu Leu Thr Gln Ser Arg Ser Tyr Asp Phe Glu Phe Met
 100 105 110
 Gln Val Glu Lys
 115

<210> 5893
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 5893
 Met Ala Ser Gly Cys Lys Ile Gly Pro Ser Ile Leu Asn Ser Asp Leu
 1 5 10 15
 Ala Asn Leu Gly Ala Glu Cys Leu Arg Met Leu Asp Ser Gly Ala Asp
 20 25 30
 Tyr Leu His Leu Asp Val Met Asp Gly His Ala His Asp Gly Val Gln
 35 40 45
 Ala Arg Thr Val Gly Lys Ala Asn Gly Cys Ser Arg Ser Gln Ser Val
 50 55 60
 His Leu Ser Ser Glu Ala Thr Glu Asn Pro Gly Ala Leu Ile Lys Asp
 65 70 75 80
 Ile Arg Glu Asn Gly Met Lys Val Gly Leu Ala Ile Lys Pro Gly Thr
 85 90 95
 Ser Val Glu Tyr Leu Ala Pro Trp Ala Asn Gln Ile Asp Met Ala Leu
 100 105 110

Val Met Thr Val Asp Arg Gly Leu Glu Gly Arg Ile His Gly Asp Met
 115 120 125

<210> 5894
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 5894
 Met Leu Asp Ser Xaa Ala Asp Tyr Leu His Leu Asp Val Met Asp Gly
 1 5 10 15
 His Phe Val Pro Asn Ile Thr Phe Gly His Pro Val Val Glu Ser Leu
 20 25 30
 Arg Lys Gln Leu Gly Gln Asp Pro Phe Phe Asp Met His Met Met Val
 35 40 45
 Ser Lys Pro Glu Gln Trp Val Lys Pro Met Ala Val Ala Gly Xaa Asn
 50 55 60
 Gln Tyr Thr Phe His Leu Xaa Ala Thr Glu Asn Pro Gly Ala Leu Ile
 65 70 75 80
 Lys Asp Ile Arg Glu Asn Gly Met Lys Val Gly Leu Ala Ile Lys Pro
 85 90 95
 Gly Thr Ser Val Glu Tyr Leu Ala Pro Trp Ala Asn Gln Ile
 100 105 110

<210> 5895
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5895
 Met Ser Cys Ser Ser Glu Ile His Glu Leu Val Tyr Arg Tyr Ile Trp
 1 5 10 15
 Ile Tyr Ile Asn Gln Gly Gln Cys Arg Lys Gly Ile Thr Ser Arg Leu
 20 25 30
 Gln Gln Ile Cys Ala Cys Gln Ile Ser Phe Ile Ser Met His Phe Thr
 35 40 45
 Asn Asp Glu Ile Arg
 50

<210> 5896
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 5896
 Met Ala Thr Ala Leu Ser Glu Glu Glu Leu Asp Asn Glu Asp Tyr Tyr
 1 5 10 15
 Ser Leu Leu Asn Val Arg Arg Glu Ala Ser Ser Glu Glu Leu Lys Ala
 20 25 30
 Ala Tyr Arg Arg Leu Cys Met Leu Tyr His Pro Asp Lys His Arg Asp
 35 40 45
 Pro Glu Leu Lys Ser Gln Ala Glu Arg Leu Phe Asn Leu Val His Gln
 50 55 60
 Ala Tyr Glu Val Leu Ser Asp Pro Gln Thr Arg Ala Ile Tyr Asp Ile

65 70 75 80
 Tyr Gly Lys Arg Gly Leu Glu Met Glu Gly Trp Glu Val Val Glu Arg
 85 90 95
 Arg Arg Thr Pro Ala Glu Ile Arg Glu Glu Phe Glu Arg Leu Gln Arg
 100 105 110
 Glu Arg Glu Glu Arg Arg Leu
 115

<210> 5897
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 5897
 Met Leu Lys Lys Phe Asp Lys Lys Asp Glu Glu Ser Gly Gly Gly Ser
 1 5 10 15
 Asn Pro Phe Gln His Leu Glu Lys Ser Ala Val Leu Gln Glu Ala Arg
 20 25 30
 Val Phe Asn Glu Thr Pro Ile Asn Pro Arg Lys Cys Ala His Ile Leu
 35 40 45
 Thr Lys Ile Leu Tyr Leu Ile Asn Gln Gly Glu His Leu Gly Thr Thr
 50 55 60
 Glu Ala Xaa Glu Ala Phe Phe Xaa Met Xaa Lys Leu Phe Gln Ser Asn
 65 70 75 80
 Asp Pro Thr Leu Arg
 85

<210> 5898
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 5898
 Met Ala Ala Ser Ala Lys Lys Lys Asn Lys Lys Gly Lys Thr Ile Ser
 1 5 10 15
 Leu Thr Asp Phe Leu Ala Glu Asp Gly Gly Thr Gly Gly Gly Ser Thr
 20 25 30
 Tyr Val Ser Lys Pro Val Ser Trp Ala Asp Glu Thr Asp Asp Leu Glu
 35 40 45
 Gly Asp Val Ser Thr Thr Trp His Ser Asn Asp Asp Asp Val Tyr Arg
 50 55 60
 Ala Pro Pro Ile Asp Arg Ser Ile Leu Pro Thr Ala Pro Arg Ala Ala
 65 70 75 80
 Arg Glu Pro Asn Ile Asp Arg Ser Arg Leu Pro Lys Ser Pro Pro Tyr
 85 90 95
 Thr Ala Phe Leu Gly Asn Leu Pro Tyr Asp Val Thr Glu Glu Ser Ile
 100 105 110
 Lys Glu Phe
 115

<210> 5899
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 5899

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Met Asn Cys Glu Arg Glu Gln Leu Arg Gly Asn Gln Glu Ala Ala Ala
1           5           10           15
Ala Pro Asp Thr Met Ala Gln Pro Tyr Ala Ser Ala Gln Phe Ala Pro
20           25           30
Pro Gln Asn Gly Ile Pro Ala Glu Tyr Thr Ala Pro His Pro His Pro
35           40           45
Ala Pro Glu Tyr Thr Gly Gln Thr Thr Val Pro Glu His Thr Xaa Asn
50           55           60
Leu Tyr Pro Pro Ala Gln Thr His Ser Glu Gln Ser Pro Ala Asp Thr
65           70           75           80
Ser Ala Gln Thr Val Ser
85

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<210> 5900

<211> 159

<212> PRT

<213> Homo sapiens

<400> 5900

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Met Asp Asp Lys Pro Asn Pro Glu Ala Leu Ser Asp Ser Ser Glu Arg
1           5           10           15
Leu Phe Ser Phe Gly Val Ile Ala Asp Val Gln Phe Ala Asp Leu Glu
20           25           30
Asp Gly Phe Asn Phe Gln Gly Thr Arg Arg Arg Tyr Tyr Arg His Ser
35           40           45
Leu Leu His Leu Gln
50

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<210> 5901

<211> 183

<212> PRT

<213> Homo sapiens

<400> 5901

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Met Gly Ile Lys Ser Glu Asp Glu Ala Gly Cys Ser Ser Val Asp Glu
1           5           10           15
Glu Ser Tyr Lys Thr Leu Lys Xaa Gln Glu Glu Val Phe Arg Asn Leu
20           25           30
Asp Ala Gln Tyr Glu Met Ala Arg Ser Gln Thr His Thr Gln Arg Gly
35           40           45
Met Gly Leu Gly Phe Thr Ser Ser Met Arg Xaa Met Asp
50           55           60

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<210> 5902

<211> 330

<212> PRT

<213> Homo sapiens

<400> 5902

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Met Ala Gly Leu Pro Arg Arg Ile Ile Lys Glu Thr Gln Arg Leu Leu
1           5           10           15
Ala Glu Pro Val Pro Gly Ile Lys Ala Glu Pro Asp Glu Ser Asn Ala

```

20 25 30
 Arg Tyr Phe His Val Val Ile Ala Gly Pro Gln Asp Ser Pro Phe Glu
 35 40 45
 Gly Gly Thr Phe Lys Leu Glu Leu Phe Leu Pro Glu Glu Tyr Pro Met
 50 55 60
 Ala Ala Pro Lys Val Arg Phe Met Xaa Lys Xaa Tyr His Pro Asn Val
 65 70 75 80
 Asp Lys Leu Gly Arg Ile Cys Leu Asp Ile Leu Lys Asp Lys Trp Ser
 85 90 95
 Pro Ala Xaa Gln Ile Arg Thr Val Leu Leu Ser Ile Gln Ala
 100 105 110

<210> 5903
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 5903
 Met Ala Phe Thr Glu His Ser Pro Leu Thr Pro His Arg Arg Asp Leu
 1 5 10 15
 Cys Ser Arg Ser Ile Trp Leu Ala Arg Lys Ile Arg Ser Asp Xaa Thr
 20 25 30
 Ala Leu Thr Glu Ser Tyr Val Lys His Gln Gly Leu Asn Lys Asn Ile
 35 40 45
 Asn Leu Asp Ser Ala Asp Gly Met Pro Val Ala Ser Thr Asp Gln Trp
 50 55 60
 Ser Glu Leu Thr Glu Ala Glu Arg Leu Gln Glu Asn Leu Gln Ala Tyr
 65 70 75 80
 Arg Thr Phe His Val Leu Leu Ala Arg Leu Leu Glu Asp Gln Gln Val
 85 90 95
 His Phe Thr Pro Thr Glu Val Thr Ser Ile Lys Leu Xaa Ile Pro Phe
 100 105 110
 Phe Ser Lys Ser
 115

<210> 5904
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5904
 Met Ala Leu Ala Ala Arg Leu Trp Arg Leu Leu Pro Phe Arg Arg Gly
 1 5 10 15
 Ala Ala Pro Gly Ser Arg Leu Pro Ala Gly Xaa Ser Gly Ser Arg Gly
 20 25 30
 His Cys Gly Pro Cys Arg Phe Arg Gly Phe Glu Val Met Gly Asn Pro
 35 40 45
 Gly Thr Phe Lys Arg
 50

<210> 5905
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 5905

Met Xaa Leu Ala Ala Arg Leu Trp Arg Leu Leu Pro Phe Arg Arg Gly
1 5 10 15
Ala Ala Pro Gly Ser Arg Leu Pro Ala Gly Xaa Ser Gly Ser Arg Gly
20 25 30
His Cys Gly Pro Cys Arg Phe Arg Gly Phe Glu Val Pro Pro Trp Ser
35 40 45
Trp Leu Pro Leu Leu Thr Ser Tyr Ser Val Met Gly Asn Pro Gly Thr
50 55 60
Phe Lys Arg
65

<210> 5906

<211> 318

<212> PRT

<213> Homo sapiens

<400> 5906

Met Ala Ala Pro Glu Ala Pro Xaa Leu Asp Arg Val Phe Arg Thr Thr
1 5 10 15
Trp Leu Ser Thr Glu Cys Asp Ser His Pro Leu Pro Pro Ser Tyr Arg
20 25 30
Lys Phe Leu Phe Glu Thr Gln Ala Ala Asp Leu Ala Gly Gly Thr Thr
35 40 45
Val Ala Ala Gly Asn Leu Leu Asn Xaa Ser Glu Lys Asp Cys Gly Gln
50 55 60
Asp Arg Arg Ala Pro Gly Val Gln Pro Cys Xaa Leu Val Thr Met Thr
65 70 75 80
Ser Val Val Lys Thr Val Tyr Ser Leu Gln Pro Pro Ser Ala Leu Ser
85 90 95
Gly Gly Gln Xaa Xaa Tyr Thr Gln Thr Arg
100 105

<210> 5907

<211> 426

<212> PRT

<213> Homo sapiens

<400> 5907

Met Val Ala Cys Arg Ala Ile Gly Ile Leu Ser Arg Phe Ser Ala Phe
1 5 10 15
Arg Ile Leu Arg Ser Arg Gly Tyr Ile Cys Arg Asn Phe Thr Gly Ser
20 25 30
Ser Ala Leu Leu Thr Arg Thr His Ile Asn Tyr Gly Val Lys Gly Asp
35 40 45
Val Ala Val Val Arg Ile Asn Ser Pro Asn Ser Lys Val Asn Thr Leu
50 55 60
Ser Lys Glu Leu His Ser Glu Phe Ser Glu Val Met Asn Glu Ile Trp
65 70 75 80
Ala Ser Asp Gln Ile Arg Ser Ala Val Leu Ile Ser Ser Lys Pro Gly
85 90 95
Cys Phe Ile Ala Gly Ala Asp Ile Asn Met Leu Ala Ala Cys Lys Thr
100 105 110

Leu Gln Glu Val Thr Gln Leu Ser Gln Glu Ala Gln Arg Ile Val Glu
 115 120 125
 Lys Leu Glu Lys Ser Thr Lys Pro Ile Val Ala Ala Ile Asn
 130 135 140

<210> 5908
 <211> 213
 <212> PRT
 <213> Homo sapiens

<400> 5908
 Met Leu Ser Ser His His Tyr Lys Ser Phe Lys Val Ser Met Ile His
 1 5 10 15
 Arg Leu Arg Phe Thr Thr Asp Val Gln Leu Gly Ile Ser Gly Asp Lys
 20 25 30
 Val Glu Ile Asp Pro Val Thr Asn Gln Lys Ala Ser Thr Lys Phe Trp
 35 40 45
 Ile Lys Gln Lys Pro Ile Ser Ile Asp Ser Asp Leu Leu Cys Ala Cys
 50 55 60
 Asp Leu Ala Glu Glu Lys Ser
 65 70

<210> 5909
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 5909
 Met Thr Gly Val Gly Gly Leu Ser Arg Gly Arg Ser His Met Gly Glu
 1 5 10 15
 Glu Leu Arg Ile Gly Leu Asn Phe Glu Arg Pro Ile Leu Phe Pro Thr
 20 25 30
 Gly Thr Lys Asn Leu Lys Ser Trp Pro Gly Val Val Ala His Ala Cys
 35 40 45
 Asn Pro Ser Thr Leu Gly Gly Gln Gly Gly Ser Gln Gly Gln
 50 55 60

<210> 5910
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 5910
 Met Ala Ser Ala Ala Arg Leu Asn Xaa Asp Val Gly Gly Gly His Met
 1 5 10 15
 Pro Tyr Leu Pro Gly Pro Leu Arg Gly Ala Cys Glu His Arg Val Cys
 20 25 30
 His Ser Phe Cys Gln Glu Cys Ile Ser Gln Val Gly Lys Gly Gly Gly
 35 40 45
 Ser Val Cys Pro Val Cys Arg Gln Arg Phe Leu Leu Lys Asn Leu Arg
 50 55 60
 Pro Asn Arg Gln Leu Ala Asn Met Val Asn Asn Leu Lys Glu Ile Ser
 65 70 75 80
 Gln Glu Ala Arg Glu Gly Thr Gln Gly Glu Arg Cys Ala Val His Gly

85 90 95
 Glu Arg Leu His Leu Phe Cys Glu Lys Asp Gly Lys Ala Phe Ala Gly
 100 105 110

<210> 5911
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 5911
 Met Ala Thr Lys Arg Leu Phe Gly Ala Thr Arg Thr Trp Ala Gly Trp
 1 5 10 15
 Gly Ala Trp Glu Leu Leu Asn Pro Ala Thr Ser Gly Arg Leu Leu Ala
 20 25 30
 Arg Asp Tyr Ala Lys Lys Pro Val Met Lys Gly Ala Lys Ser Gly Lys
 35 40 45
 Gly Ala Val Thr Ser Glu Ala Leu Lys Asp Pro Asp Val Cys Thr Asp
 50 55 60
 Pro Val Gln Leu Thr Thr Tyr Ala Met Gly Val Asn Ile Tyr Lys Glu
 65 70 75 80
 Gly Gln Asp Val Pro Leu Lys Pro Asp Ala Glu Tyr Pro Glu Trp Leu
 85 90 95
 Phe Glu Met Asn Leu Gly Pro Pro Lys Thr Leu Glu Glu Leu Asp Pro
 100 105 110
 Glu Ser Arg Glu Tyr Trp Arg Arg Leu Arg Lys Gln Asn Ile Trp Arg
 115 120 125
 His Asn Arg Leu
 130

<210> 5912
 <211> 453
 <212> PRT
 <213> Homo sapiens

<400> 5912
 Met Thr His Ile Val Arg Glu Val Asp Arg Pro Gly Ser Lys Val Asn
 1 5 10 15
 Lys Lys Glu Val Val Glu Ala Val Thr Ile Val Glu Thr Pro Pro Met
 20 25 30
 Val Val Val Gly Ile Val Gly Tyr Val Glu Thr Pro Arg Gly Leu Arg
 35 40 45
 Thr Phe Lys Thr Val Phe Ala Glu His Ile Ser Asp Glu Cys Lys Arg
 50 55 60
 Arg Phe Tyr Lys Asn Trp His Lys Ser Lys Lys Lys Ala Phe Thr Lys
 65 70 75 80
 Tyr Cys Lys Lys Trp Gln Asp Glu Asp Gly Lys Lys Gln Leu Glu Lys
 85 90 95
 Asp Phe Ser Ser Met Lys Lys Tyr Cys Gln Val Ile Arg Val Ile Ala
 100 105 110
 His Thr Gln Met Arg Leu Leu Pro Leu Arg Gln Lys Lys Ala His Leu
 115 120 125
 Met Glu Ile Gln Val Asn Gly Gly Thr Val Ala Glu Lys Leu Asp Trp
 130 135 140
 Ala Arg Glu Arg Leu Glu Gln

145

150

<210> 5913

<211> 582

<212> PRT

<213> Homo sapiens

<400> 5913

Met Thr Trp Val Pro Arg Leu Pro Ala Ser Glu Ala Xaa Ser Arg His
 1 5 10 15
 Arg Gly Lys Val Lys Ser Phe Pro Lys Asp Asp Pro Ser Lys Pro Val
 20 25 30
 His Leu Thr Ala Phe Leu Gly Tyr Lys Ala Gly Met Thr His Ile Val
 35 40 45
 Arg Glu Val Asp Arg Pro Gly Ser Lys Val Asn Lys Lys Glu Val Val
 50 55 60
 Glu Ala Val Thr Ile Val Glu Thr Pro Pro Met Val Val Val Gly Ile
 65 70 75 80
 Val Gly Tyr Val Glu Thr Pro Arg Gly Leu Arg Thr Phe Lys Thr Val
 85 90 95
 Phe Ala Glu His Ile Ser Asp Glu Cys Lys Arg Arg Phe Tyr Lys Asn
 100 105 110
 Trp His Lys Ser Lys Lys Lys Ala Phe Thr Lys Tyr Cys Lys Lys Trp
 115 120 125
 Gln Asp Glu Asp Gly Lys Lys Gln Leu Glu Lys Asp Phe Ser Ser Met
 130 135 140
 Lys Lys Tyr Cys Gln Val Ile Arg Val Ile Ala His Thr Gln Met Arg
 145 150 155 160
 Leu Leu Pro Leu Arg Gln Lys Lys Ala His Leu Met Glu Ile Gln Val
 165 170 175
 Asn Gly Gly Thr Val Ala Glu Lys Leu Asp Trp Ala Arg Glu Arg Leu
 180 185 190
 Glu Gln

<210> 5914

<211> 324

<212> PRT

<213> Homo sapiens

<400> 5914

Met Ser Ala Phe Asp Thr Asn Pro Phe Ala Asp Pro Val Asp Val Asn
 1 5 10 15
 Pro Phe Gln Asp Pro Ser Val Thr Gln Leu Thr Asn Ala Pro Gln Ala
 20 25 30
 Ala Trp Arg Asn Ser Thr Pro Ser Gln Arg Gln Met Gln Arg Gln Gln
 35 40 45
 Phe Leu Ser Pro Asn Ser Leu Gly Pro His Ser Gln Arg Phe Ser Ser
 50 55 60
 His Gln Trp Asn Gln Pro Ser Arg Pro Pro Arg Pro Trp Cys Leu Gln
 65 70 75 80
 Pro Xaa Gln Gly Leu Leu Arg Gln Gln Glu Glu Leu Asp Arg Lys Ala
 85 90 95
 Ala Glu Leu Glu Arg Lys Glu Arg Glu Leu Gln Asn
 100 105

<210> 5915
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5915
 Met Gly Ser Asn Gly Ser Thr Cys Lys Pro Asp Thr Glu Arg Gln Gly
 1 5 10 15
 Thr Leu Ser Thr Ala Ala Pro Thr Thr Ser Pro Ala Pro Cys Leu Ser
 20 25 30
 Asn His His Asn Xaa Tyr Leu Leu Ile Ile Lys Ser Tyr Arg Lys Ser
 35 40 45
 Phe Ile His Pro Arg Gly Ile Thr Tyr Leu
 50 55

<210> 5916
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 5916
 Met Ser Asn Pro Xaa Ala Pro Pro Pro Tyr Glu Asp Arg Xaa Pro Leu
 1 5 10 15
 Xaa Pro Xaa Pro Leu Xaa Pro Gly Gly Tyr Gly Gln Pro Ser Val Leu
 20 25 30
 Pro Gly Gly Tyr Pro Ala Tyr Pro Gly Tyr Pro Gln Pro Gly Tyr Gly
 35 40 45
 His Pro Ala Gly Tyr Pro
 50

<210> 5917
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5917
 Met Pro Ala Glu Arg Lys Lys Pro Ala Ser Met Glu Glu Lys Asp Ser
 1 5 10 15
 Leu Pro Asn Asn Lys Glu Lys Asp Cys Ser Glu Arg Arg Thr Val Ser
 20 25 30
 Ser Lys Glu Arg Pro Lys Asp Asp Ile Lys Leu Thr Ala Lys Lys Glu
 35 40 45
 Val Ser Lys Ala Pro Glu Asp Lys Lys Lys Arg Leu
 50 55 60

<210> 5918
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 5918
 Met Glu Leu Gly Ser Cys Phe Lys Thr Tyr Glu Asp Phe Lys Glu Cys
 1 5 10 15

Phe Ser Ala Tyr Lys Arg Glu Asn Arg Cys Ser Phe Ile Leu Arg Asp
 20 25 30
 Cys Val Ser Val Arg Phe His Asn Leu Asn His Gly Thr Ser Ile Arg
 35 40 45
 Glu Asp Ile Leu Tyr Val Gln Xaa Glu Ile Cys Leu His Ser Asp Pro
 50 55 60
 Ile Lys Gln Glu Glu Asn Ala Gly Xaa Xaa His Val Pro Ala Tyr Leu
 65 70 75 80
 Leu Leu Arg Tyr Asn Glu Arg Leu Asp Arg Leu
 85 90

<210> 5919
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 5919
 Met Ala Gln Glu Thr Asn His Ser Gln Val Pro Met Leu Cys Ser Thr
 1 5 10 15
 Gly Cys Gly Phe Tyr Gly Asn Pro Arg Thr Asn Gly Met Cys Ser Val
 20 25 30
 Cys Tyr Lys Glu His Leu Gln Arg Gln Asn Ser Ser Asn Gly Arg Ile
 35 40 45
 Ser Pro Pro Ala Thr Ser Val Ser Ser Leu Ser Glu Ser Leu Pro Val
 50 55 60
 Gln Cys Thr Asp Gly Ser Val Pro Glu Ala Gln Ser Ala Leu Asp Ser
 65 70 75 80
 Thr Ser Ser Met Gln Pro Xaa
 85

<210> 5920
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 5920
 Met Cys Lys Asp Ser Gln Lys Pro Ser Val Pro Ser His Gly Pro Lys
 1 5 10 15
 Thr Pro Ser Cys Lys Gly Val Lys Ala Pro His Ser Ser Arg Xaa Arg
 20 25 30
 Ala Trp Lys Gln Asp Leu Glu Gln Ser Leu Ala Ala Ala Tyr Val Pro
 35 40 45
 Val Val Val Asp Ser Lys Gly Gln Asn Pro Asp Lys Leu Arg Phe Asn
 50 55 60
 Phe Tyr Thr Ser Gln Tyr Ser Asn Ser Leu Asn Pro Phe Tyr Thr Leu
 65 70 75 80
 Gln Lys Pro Thr Cys Gly Leu Pro
 85

<210> 5921
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 5921

Met Ala Ala Val Ala Ala Ala Ser Ala Glu Leu Leu Ile Ile Gly Trp
1 5 10 15
Tyr Ile Phe Arg Val Leu Leu Gln Val Ser Leu Thr Gly Phe Arg Val
20 25 30
Gly Glu Gly Ser Gln Leu Ala Pro Leu Glu Pro Ala Arg Leu Arg Arg
35 40 45
Asp Cys Arg Phe Pro
50

<210> 5922

<211> 348

<212> PRT

<213> Homo sapiens

<400> 5922

Met Arg Arg Gly Gly Gly Asp Arg Thr Lys Lys Pro Lys Glu Ser Ser
1 5 10 15
Ala Ala Ala Ala Thr Phe Ser Phe Ile Ser Thr Asp Pro Pro Ala Trp
20 25 30
Ala Ala Ala Ala Ala Met Pro Ser Lys Phe Ser Cys Arg Gln Leu
35 40 45
Arg Glu Ala Gly Gln Cys Phe Glu Ser Xaa Leu Val Val Arg Gly Leu
50 55 60
Asp Met Glu Thr Asp Arg Glu Arg Leu Arg Thr Ile Tyr Asn Arg Asp
65 70 75 80
Phe Lys Ile Ser Phe Gly Thr Pro Ala Pro Gly Phe Ser Ser Met Leu
85 90 95
Tyr Gly Met Lys Ile Ala Asn Leu Ala Tyr Val Thr Lys Thr Arg Val
100 105 110
Arg Phe Phe Arg
115

<210> 5923

<211> 426

<212> PRT

<213> Homo sapiens

<400> 5923

Met Ser Pro Glu Arg Arg Arg Arg Xaa Ser Arg Ala Glu Leu Ser Ala
1 5 10 15
Arg Pro Arg Ala Gln Ala Ala Phe Ser Cys Arg Ser Val Glu Arg Thr
20 25 30
Pro Ser Phe Ile Pro Val Ser Ser Phe Phe Phe Pro Val Ala Gln Pro
35 40 45
Val Arg Trp Thr Ala Asn Arg Ala Pro Val Cys Leu Xaa Asp Phe His
50 55 60
Glu Asp Asn Leu Gln Gly Pro Val Trp Pro His Phe Ser Cys Phe Ser
65 70 75 80
Val Leu Glu Leu Leu Leu Ala Pro Ser Phe Pro Gly Pro Gly Val Thr
85 90 95
Val Ala Thr Glu Arg His Glu Gly Cys Pro Arg Lys Glu Cys Cys Pro
100 105 110
Asp Thr Leu Gly Ala Arg Thr Gly Cys Ser Gly His Gly Ser Ser Ala

115 120 125
Ala Ser Ala Gly Ala Gly Arg Arg Xaa Asn Pro Val Asp Glu
130 135 140

<210> 5924
<211> 348
<212> PRT
<213> Homo sapiens

<400> 5924
Met Ala Asp Val Thr Ala Arg Ser Leu Gln Tyr Glu Tyr Lys Ala Asn
1 5 10 15
Ser Asn Leu Val Leu Gln Ala Asp Arg Ser Leu Ile Asp Arg Thr Arg
20 25 30
Arg Asp Glu Pro Thr Gly Glu Val Leu Ser Leu Val Gly Lys Leu Glu
35 40 45
Gly Thr Arg Met Gly Asp Lys Ala Gln Arg Thr Lys Pro Gln Met Gln
50 55 60
Glu Glu Arg Arg Ala Lys Arg Arg Lys Arg Asp Glu Asp Arg His Asp
65 70 75 80
Ile Asn Lys Met Lys Gly Tyr Thr Leu Leu Ser Glu Gly Ile Asp Glu
85 90 95
Met Val Gly Ile Ile Tyr Lys Pro Lys Thr Lys Glu Thr Arg Glu Thr
100 105 110
Tyr Glu Val Leu
115

<210> 5925
<211> 186
<212> PRT
<213> Homo sapiens

<400> 5925
Met Val Gly Phe Gly Pro Glu Asp Asp His Phe Val Ala Glu Leu Thr
1 5 10 15
Tyr Asn Tyr Gly Val Gly Asp Tyr Lys Leu Gly Asn Asp Phe Met Gly
20 25 30
Ile Thr Leu Ala Ser Ser Gln Ala Val Ser Asn Ala Arg Xaa Leu Glu
35 40 45
Trp Pro Leu Thr Glu Val Ala Glu Gly Val Phe Glu Thr Glu
50 55 60

<210> 5926
<211> 282
<212> PRT
<213> Homo sapiens

<400> 5926
Met Ala Asp Glu Gly Lys Ser Tyr Ser Glu His Asp Asp Glu Arg Val
1 5 10 15
Asn Phe Pro Gln Arg Lys Lys Lys Gly Arg Gly Pro Phe Arg Trp Lys
20 25 30
Tyr Gly Glu Gly Asn Arg Arg Ser Gly Arg Gly Gly Ser Gly Ile Arg
35 40 45

Ser Ser Arg Leu Glu Glu Asp Asp Gly Asp Val Ala Met Ser Asp Ala
 50 55 60
 Gln Asp Gly Pro Arg Val Arg Tyr Thr Pro Tyr Thr Thr Arg Leu Thr
 65 70 75 80
 Val Gly Val Ile Leu Xaa Met Ile Glu Ile Ala Phe Met Leu
 85 90

<210> 5927
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 5927
 Met Val Met Ala Gly Ser Gly Asn Leu Lys Val Leu Gln Leu Cys Arg
 1 5 10 15
 Phe Leu His Met Lys Thr Gly Gly Glu Met Asn Tyr Gly Phe His Leu
 20 25 30
 Ala His His Met Ala Leu Gly Leu Leu Phe Leu Gly Gly Xaa Arg Tyr
 35 40 45
 Ser Leu Ser Xaa Ser Asn Ser Ser Ile Ala Ala Leu Leu Cys Ala Leu
 50 55 60
 Tyr Pro His Phe Pro Ala His Ser Thr Asp
 65 70

<210> 5928
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 5928
 Met Lys Gln Asp Ala Ser Arg Asn Ala Ala Tyr Thr Val Asp Cys Glu
 1 5 10 15
 Asp Tyr Val His Val Val Glu Phe Asn Pro Phe Glu Asn Gly Asp Ser
 20 25 30
 Gly Asn Leu Ile Ala Tyr Gly Gly Asn Asn Tyr Val Val Ile Gly Thr
 35 40 45
 Cys Thr Phe Gln Glu Glu Glu Ala Asp Val Glu Gly Ile Gln Tyr Lys
 50 55 60
 Thr Leu Arg Thr Phe His His Gly Val Arg Val Asp Gly Ile Ala Trp
 65 70 75 80
 Ser Pro Glu Thr Arg Leu Asp Ser Leu Pro Pro Val Ile Lys Phe Cys
 85 90 95
 Thr Ser Ala Ala Asp Met Lys Ile Arg Leu Phe Thr
 100 105

<210> 5929
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5929
 Met Pro Asn Ala Ser Trp Thr Gly Asn Leu Arg Ala Ile Lys Trp Ser
 1 5 10 15
 Asp Met Glu Asp Arg His Gly Gly Cys His Gly His Tyr Val His Gly

UNITED STATES OF AMERICA

Gly Arg Arg Glu Xaa
85

<210> 5933
<211> 192
<212> PRT
<213> Homo sapiens

<400> 5933
Met Ala Leu Ser Lys Ser Met His Ala Arg Asn Arg Tyr Lys Asp Lys
1 5 10 15
Pro Pro Asp Phe Ala Tyr Leu Ala Ser Lys Tyr Pro Asp Phe Lys Gln
20 25 30
His Val Gln Ile Asn Leu Asn Gly Arg Val Ser Leu Asn Phe Lys Asp
35 40 45
Pro Glu Ala Val Arg Ala Leu Thr Cys Thr Leu Leu Arg Glu Asp Phe
50 55 60

<210> 5934
<211> 300
<212> PRT
<213> Homo sapiens

<400> 5934
Met Ala Thr Ala Ala Glu Thr Ser Ala Ser Glu Pro Glu Ala Glu Ser
1 5 10 15
Lys Ala Gly Pro Lys Ala Xaa Gly Glu Asp Glu Val Lys Ala Ala
20 25 30
Arg Thr Arg Arg Lys Val Leu Ser Arg Ala Val Ala Ala Thr Tyr
35 40 45
Lys Thr Met Gly Pro Ala Trp Asp Gln Gln Glu Glu Gly Val Ser Glu
50 55 60
Ser Xaa Gly Asp Glu Tyr Ala Met Ala Ser Ser Ala Glu Ser Ser Pro
65 70 75 80
Gly Glu Tyr Glu Trp Asn Met Thr Lys Arg Arg Arg Lys Thr Ser Trp
85 90 95
Arg Leu Arg Asp
100

<210> 5935
<211> 306
<212> PRT
<213> Homo sapiens

<400> 5935
Met Leu Ser Glu Gln Gly Leu Leu Ser Asp Cys Gly Asn Asn Tyr Phe
1 5 10 15
Gln Met Thr Ser Cys Ile Leu Ser Gly Ser Ile Gln Thr Thr Pro Gln
20 25 30
Val Ser Ala Gly Gly Ser Glu Ala Lys Pro Leu Ile Phe Thr Phe Val
35 40 45
Pro Thr Val Arg Arg Leu Pro Thr His Thr Gln Leu Ala Asp Thr Ser
50 55 60
Lys Phe Leu Val Lys Ile Pro Glu Glu Ser Ser Asp Lys Ser Pro Glu

SECRET

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<400> 5936
Met Ala Asp  Ala  Glu  Val  Ile  Ile  Leu  Pro  Lys  Lys  His  Lys  Lys  Lys
1              5              10              15
Lys  Glu  Arg  Lys  Ser  Leu  Pro  Glu  Glu  Asp  Val  Ala  Glu  Ile  Gln  His
              20              25              30
Ala  Glu  Glu  Phe  Leu  Ile  Lys  Pro  Glu  Ser  Lys  Val  Ala  Lys  Leu  Asp
              35              40              45
Thr  Ser  Gln  Trp  Pro  Leu  Leu  Leu  Lys  Asn  Phe  Asp  Lys  Leu  Asn  Val
              50              55              60
Arg  Thr  Thr  His  Tyr  Thr  Pro  Leu  Ala  Cys  Gly  Ser  Asn  Pro  Leu  Lys
65              70              75              80
Arg  Glu  Ile  Gly  Asp  Tyr  Ile  Arg  Thr  Gly  Phe  Ile  Asn  Leu  Asp  Lys
              85              90              95

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[illegible]

<400> 5938
Met Ala Glu Arg Pro Glu Asp Leu Asn Leu Pro Asn Ala Val Ile Thr
1 5 10 15

Arg Ile Ile Lys Glu Ala Leu Pro Asp Gly Val Asn Ile Ser Lys Glu
20 25 30
Ala Arg Ser Ala Ile Ser Arg Ala Ala Ser Val Phe Val Leu Tyr Ala
35 40 45
Thr Ser Cys Ala Asn Asn Phe Ala Met Lys Gly Lys Arg Lys Thr Leu
50 55 60
Asn Ala Ser Asp Val Leu Ser Ala Met Glu Glu Met Glu Phe Gln Arg
65 70 75 80
Phe Val Thr Pro Leu Lys Glu Ala Leu Glu Ala Tyr Arg
85 90

<210> 5939
<211> 315
<212> PRT
<213> Homo sapiens

<400> 5939
Met Gly Ser Arg Leu Ser Gln Pro Phe Glu Ser Tyr Ile Thr Ala Pro
1 5 10 15
Pro Gly Thr Ala Ala Ala Pro Ala Lys Pro Ala Thr Pro Ala Thr Pro
20 25 30
Gly Ala Pro Thr Ser Pro Ala Glu His Arg Leu Leu Lys Thr Cys Trp
35 40 45
Ser Cys Arg Val Leu Ser Gly Leu Gly Leu Met Gly Ala Gly Gly Tyr
50 55 60
Val Tyr Trp Val Ala Arg Lys Pro Met Lys Met Gly Tyr Pro Pro Ser
65 70 75 80
Pro Trp Thr Ile Thr Gln Met Val Ile Gly Leu Ser Glu Asn Gln Gly
85 90 95
Ile Ala Thr Trp Gly Ile Val Val Met
100 105

<210> 5940
<211> 384
<212> PRT
<213> Homo sapiens

<400> 5940
Met Gly Ala Pro Ala Thr Arg Arg Cys Val Glu Trp Leu Leu Gly Leu
1 5 10 15
Tyr Phe Leu Ser His Ile Pro Ile Thr Leu Phe Met Asp Leu Gln Ala
20 25 30
Val Leu Pro Arg Glu Leu Tyr Pro Val Glu Phe Arg Asn Leu Leu Lys
35 40 45
Trp Tyr Ala Lys Glu Phe Lys Asp Pro Leu Leu Gln Glu Pro Pro Ala
50 55 60
Trp Phe Lys Ser Phe Leu Phe Cys Glu Leu Val Phe Gln Leu Pro Phe
65 70 75 80
Phe Pro Ile Ala Thr Tyr Ala Phe Leu Xaa Gly Ser Cys Lys Trp Ile
85 90 95
Arg Thr Pro Ala Ile Ile Tyr Ser Val His Thr Met Thr Thr Leu Ile
100 105 110
Pro Ile Leu Ser Thr Phe Leu Phe Glu Asp Phe Ser Lys Ala Lys Trp
115 120 125

<210> 5941
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 5941
 Met Ala Glu Xaa Ser Tyr Ala Lys Ser Thr Lys Leu Val Leu Lys Gly
 1 5 10 15
 Thr Lys Thr Lys Arg Trp Val Leu His Leu Arg Arg Glu Pro Pro Gln
 20 25 30
 Phe Phe Ser Asp Ala Leu His Pro Pro Arg Ile Arg Trp Lys Pro Trp
 35 40 45
 Arg Gly Glu Pro Ala Leu Trp Pro Pro Arg Leu Cys Pro Gly Pro Cys
 50 55 60
 Pro
 65

<210> 5942
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 5942
 Met Ala Glu Tyr Ser Tyr Val Lys Ser Thr Lys Leu Val Leu Lys Gly
 1 5 10 15
 Thr Lys Thr Lys Ser Lys Lys Lys Lys Ser Lys Asp Lys Lys Arg Lys
 20 25 30
 Arg Glu Glu Asp Glu Glu Thr Gln Leu Asp Ile Val Gly Ile Trp Trp
 35 40 45
 Thr Val Thr Asn Phe Gly Glu Ile Ser Gly Thr Ile Ala Ile Glu Met
 50 55 60
 Asp Lys Gly Thr Tyr Ile His Ala Leu Asp Asn Gly Leu Phe Thr Leu
 65 70 75 80
 Gly Ala Pro His Lys Glu Val
 85

<210> 5943
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5943
 Met Arg Leu Val Ile Leu Asp Asn Tyr Asp Leu Ala Ser Glu Trp Ala
 1 5 10 15
 Ala Lys Tyr Ile Cys Asn Arg Ile Ile Gln Phe Lys Pro Gly Gln Asp
 20 25 30
 Arg Tyr Phe Thr Leu Gly Leu Pro Thr Gly Ser Thr Pro Leu Gly Cys
 35 40 45
 Tyr Lys Lys Leu Ile Glu Tyr His Lys Asn Gly His Leu Ser Phe Lys
 50 55 60
 Tyr Val Lys Thr Phe Asn Met Asp Glu Tyr Val Gly Leu Pro Arg Asn
 65 70 75 80
 His Pro Glu Ser Xaa His Ser Tyr Met Trp Asn Asn Phe Phe Lys His

Ile Asp Ile Asp Pro Asn Asn Ala His 85 90 95
100 105

<210> 5944

<211> 324

<212> PRT

<213> Homo sapiens

<400> 5944

Met Arg Ala Pro Ile Pro Glu Pro Lys Pro Gly Asp Leu Ile Glu Ile
1 5 10 15
Phe Arg Pro Phe Tyr Arg His Trp Ala Ile Tyr Val Gly Asp Gly Tyr
20 25 30
Val Val His Leu Ala Pro Pro Ser Glu Val Ala Gly Ala Gly Ala Ala
35 40 45
Ser Val Met Ser Ala Leu Thr Asp Lys Ala Ile Val Lys Lys Glu Leu
50 55 60
Leu Tyr Asp Val Ala Gly Ser Asp Lys Tyr Gln Val Asn Lys Gln Asn
65 70 75 80
Met Met Thr Ser Thr Arg Arg Cys Pro Ala Ala Lys Ser Ser Xaa Gly
85 90 95
Arg Arg Ser Trp Trp Gly Arg Arg Cys Ser Thr Ser
100 105

<210> 5945

<211> 363

<212> PRT

<213> Homo sapiens

<400> 5945

Met Gly Pro Ala Gly Xaa Gly Lys Ser Thr Tyr Cys Ala Thr Met Val
1 5 10 15
Gln His Cys Glu Ala Leu Asn Arg Ser Val Gln Val Val Asn Leu Asp
20 25 30
Pro Ala Ala Glu His Phe Asn Tyr Ser Val Met Ala Asp Ile Arg Glu
35 40 45
Leu Ile Glu Val Asp Asp Val Met Glu Asp Asp Ser Leu Arg Phe Gly
50 55 60
Pro Asn Gly Gly Leu Val Phe Cys Met Glu Tyr Phe Ala Asn Asn Phe
65 70 75 80
Asp Trp Leu Glu Asn Cys Leu Gly His Val Glu Asp Asp Tyr Ile Leu
85 90 95
Phe Asp Cys Pro Gly Gln Ile Glu Leu Tyr Thr Xaa Leu Pro Val Met
100 105 110
Asn Ser Trp Ser Ser Ser Ser Ser Ser
115 120

<210> 5946

<211> 198

<212> PRT

<213> Homo sapiens

<400> 5946

Met Asp Met Gly Asn Pro Gly Thr Leu Ser Pro Thr Lys Pro Gly Ser
 1 5 10 15
 Gln Tyr Tyr Gln Tyr Ser Ser Asn Asn Pro Arg Arg Arg Pro Leu His
 20 25 30
 Ser Ser Ala Met Glu Val Gln Thr Lys Lys Val Arg Lys Val Pro Pro
 35 40 45
 Gly Leu Pro Ser Ser Val Tyr Ala Pro Ser Ala Ser Thr Ala Asp Tyr
 50 55 60
 Asn Arg
 65

<210> 5947
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5947
 Met Asp Met Gly Asn Pro Gly Thr Leu Ser Pro Thr Lys Pro Gly Ser
 1 5 10 15
 Gln Tyr Tyr Gln Tyr Ser Ser Asn Asn Pro Arg Arg Arg Pro Leu His
 20 25 30
 Ser Ser Ala Met Glu Val Gln Thr Lys Lys Val Arg Lys Val Pro Pro
 35 40 45
 Gly Leu Pro Ser Ser Val Tyr Ala Pro Ser Ala Ser Thr Ala Asp Tyr
 50 55 60
 Asn Arg
 65

<210> 5948
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5948
 Met Asp Met Gly Asn Pro Gly Thr Leu Ser Pro Thr Lys Pro Gly Ser
 1 5 10 15
 Gln Tyr Tyr Gln Tyr Ser Ser Asn Asn Pro Arg Arg Arg Pro Leu His
 20 25 30
 Ser Ser Ala Met Glu Val Gln Thr Lys Lys Val Arg Lys Val Pro Pro
 35 40 45
 Gly Leu Pro Ser Ser Val Tyr Ala Pro Ser Ala Ser Thr Ala Asp Tyr
 50 55 60
 Asn Arg
 65

<210> 5949
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 5949
 Met Leu Ala Lys Gly Leu Pro Pro Arg Xaa Val Leu Xaa Lys Gly Cys
 1 5 10 15
 Gln Thr Phe Leu Ser Ala Pro Arg Glu Gly Leu Gly Arg Leu Arg Val

20 25 30
 Xaa Thr Gly Glu Gly Ala Gly Ile Ser Thr Arg Ser Pro Arg Pro Phe
 35 40 45
 Asn Glu Ile Pro Ser Pro Gly Asp Asn Gly Trp Leu Asn Leu Tyr His
 50 55 60
 Phe Trp Arg Glu Thr Gly Thr His Lys Val His Leu His His Val Gln
 65 70 75 80
 Asn Phe Gln Lys Tyr Gly Pro Ile Tyr Arg Glu Lys Leu Gly Asn Val
 85 90 95
 Glu Ser Val Tyr Val Ile Asp Pro Xaa Asp Val Ala Xaa Ser Leu Ser
 100 105 110
 Pro Xaa Ala Gln Pro Arg Thr Ile Xaa His Xaa
 115 120

<210> 5950
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 5950
 Met Arg Ser Ser Arg Arg Arg Arg Arg Arg Arg Arg Lys Gln Arg
 1 5 10 15
 Lys Val Lys Arg Glu Ser Arg Glu Arg Asn Ala Glu Arg Met Glu Ser
 20 25 30
 Ile Leu Gln Ala Leu Glu Asp Ile Gln Leu Asp Leu Glu Ala Val Asn
 35 40 45
 Ile Lys Ala Gly Lys Ala Phe Leu Arg Leu Lys Arg Lys Phe Ile Gln
 50 55 60
 Met Arg Arg Pro Phe Leu Glu Arg Arg Asp Leu Ile Ile Gln His Ile
 65 70 75 80
 Pro Gly Phe Trp Val Lys Ala Phe Leu Asn His Pro Arg Ile Ser Ile
 85 90 95
 Leu Ile

<210> 5951
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 5951
 Met Glu Tyr His Gln Pro Glu Asp Pro Ala Pro Gly Lys Ala Gly Thr
 1 5 10 15
 Ala Glu Ala Val Ile Pro Glu Asn His Glu Val Leu Ala Gly Pro Asp
 20 25 30
 Glu His Pro Gln Asp Thr Asp Ala Arg Asp Ala Asp Gly Glu Ala Arg
 35 40 45
 Glu Thr Gly
 50

<210> 5952
 <211> 447
 <212> PRT
 <213> Homo sapiens

<400> 5952

Met Ser Ile Met Ser Tyr Asn Gly Gly Ala Val Met Ala Met Lys Gly
 1 5 10 15
 Lys Asn Cys Val Ala Ile Ala Ala Asp Arg Arg Phe Gly Ile Gln Ala
 20 25 30
 Gln Met Val Thr Thr Asp Phe Gln Lys Ile Phe Pro Met Gly Asp Arg
 35 40 45
 Leu Tyr Ile Gly Leu Ala Gly Leu Ala Thr Asp Val Gln Thr Val Ala
 50 55 60
 Gln Arg Leu Lys Phe Arg Leu Asn Leu Tyr Glu Leu Lys Glu Gly Arg
 65 70 75 80
 Gln Ile Lys Pro Tyr Thr Leu Met Ser Met Val Ala Asn Leu Leu Tyr
 85 90 95
 Glu Lys Arg Phe Gly Pro Tyr Tyr Thr Glu Pro Val Ile Ala Gly Leu
 100 105 110
 Asp Pro Lys Thr Phe Lys Pro Phe Ile Cys Ser Leu Asp Leu Ile Gly
 115 120 125
 Cys Pro Met Val Thr Asp Asp Phe Val Val Ser Gly Thr Cys Ala Glu
 130 135 140
 Gln Met Tyr Gly Met
 145

<210> 5953

<211> 267

<212> PRT

<213> Homo sapiens

<400> 5953

Met Asn Phe Glu Phe Glu Arg Glu Ile Gly Phe Ile Asn Ser Gln Pro
 1 5 10 15
 Ser Leu Ala Glu Cys Leu Thr Ser Phe Pro Ala Val Leu Glu Thr Phe
 20 25 30
 Gln Thr Ser Ser Ile Lys Glu Ser Thr Leu Ile Pro Pro Pro Pro
 35 40 45
 Phe Glu Gln Thr Phe Pro Ser Leu Gln Pro Gly Ala Ser Thr Leu Gln
 50 55 60
 Arg Pro Arg Ser Gln Lys Arg Ala Glu Asp Gly Pro Ala Leu Xaa Pro
 65 70 75 80
 Pro Pro Pro Xaa Xaa Xaa Pro Xaa Ala
 85

<210> 5954

<211> 324

<212> PRT

<213> Homo sapiens

<400> 5954

Met Val Leu Glu Val Ala Arg Arg Met Thr Arg Thr Met Thr Thr Ser
 1 5 10 15
 Leu Tyr Arg Ala Gln Gln Ile Ile Gln Leu Asn Ile Gln Ala Ser Pro
 20 25 30
 Lys Val Arg Leu Ser Leu Ala Asn Glu Ala Leu Leu Pro Thr Leu Ile
 35 40 45
 Cys Asp Ile Ala Gly Tyr Tyr Pro Gly Cys Gly Gly Asp Val Asp Pro

50 55 60
 Arg Gly Ala Gly Trp Ile Pro Ser Pro Ser Leu Trp Cys Leu Leu Leu
 65 70 75 80
 Gln Pro Gln Ala Lys Arg Gly Arg His Leu Gln His Leu Leu Leu Ser
 85 90 95
 Xaa Arg Arg Thr Trp Leu Cys Arg Cys His Leu His
 100 105

<210> 5955
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 5955
 Met Thr Tyr Gln Asp Lys Tyr Cys Phe Trp Leu Asp Gly Ala Ala His
 1 5 10 15
 Glu His Pro Pro Ala Leu Arg Thr Ser Cys Thr Val Ser Glu Lys Pro
 20 25 30
 Trp Ala Leu Arg Asn Glu Arg Thr Ala Thr Asp Asn Cys Pro Pro Ser
 35 40 45
 Ala Thr Thr Thr Lys Cys Cys Trp His Tyr
 50 55

<210> 5956
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 5956
 Met Ser Gly Glu Asp Glu Gln Gln Glu Gln Thr Ile Ala Glu Asp Leu
 1 5 10 15
 Val Val Thr Lys Tyr Lys Met Gly Gly Asp Ile Ala Asn Arg Val Leu
 20 25 30
 Arg Ser Leu Val Glu Ala Ser Ser Ser Gly Val Ser Val Leu Ser Leu
 35 40 45
 Cys Glu Lys Gly Asp Ala Met Ile Met Glu Glu Thr Gly Lys Ile Phe
 50 55 60
 Lys Lys Glu Lys Glu Met Lys Lys Gly Ile Ala Phe Pro Thr Ser Ile
 65 70 75 80
 Ser Val Asn Asn Cys Val Cys His
 85

<210> 5957
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 5957
 Met Gln Ala Ile Lys Cys Val Val Val Gly Asp Gly Ala Val Gly Lys
 1 5 10 15
 Thr Cys Leu Leu Ile Ser Tyr Thr Thr Asn Ala Phe Pro Gly Glu Tyr
 20 25 30
 Ile Pro Thr Val Phe Asp Asn Tyr Ser Ala Asn Val Met Val Asp Ser
 35 40 45

Lys Pro Val Asn Leu Gly Leu Trp Asp Thr Ala Gly Gln Glu Asp Tyr
 50 55 60
 Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Asp Val Phe Leu Ile
 65 70 75 80
 Cys Phe Ser Leu Val Ser Pro Ala Ser Tyr Glu Asn Val Arg Ala Lys
 85 90 95
 Trp Phe Pro Glu Val Arg His His Cys Pro Ser Thr Pro Ile Ile Leu
 100 105 110
 Val Gly Thr Lys Leu Asp Leu Arg Asp Asp Lys Asp Thr
 115 120 125

<210> 5958
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 5958
 Met Gln Thr Ser Glu Arg Glu Gly Ser Gly Pro Glu Leu Ser Pro Ser
 1 5 10 15
 Val Met Pro Glu Ala Pro Leu Glu Ser Pro Pro Phe Pro Thr Lys Ser
 20 25 30
 Pro Ala Phe Asp Leu Phe Asn Leu Val Leu Ser Tyr Lys Arg Leu Glu
 35 40 45
 Ile Tyr Leu Glu Pro Leu Lys Asp Ala Gly Asp Gly Val Arg Tyr Leu
 50 55 60
 Leu Arg
 65

<210> 5959
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 5959
 Met Val Gly Thr Pro Val Val Leu Phe Cys Ser Cys Phe Val Phe Leu
 1 5 10 15
 Asn Xaa Asn Phe Thr Ser Leu Asp Phe Ile Ile Leu Ser Trp His Ser
 20 25 30
 Ser Lys Arg Thr Leu Arg Trp Glu Leu Trp Gly Thr Gly Arg Arg Gly
 35 40 45
 Gln Leu Gly Thr Gly Pro Val Gly Val Ala Val Trp Gly Met Gly Val
 50 55 60
 Cys Ser Leu Ala Leu Val Leu Gly Gly Met Arg Val Lys Lys
 65 70 75

<210> 5960
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 5960
 Met Thr Glu Trp Glu Thr Ala Ala Pro Ala Val Ala Glu Thr Pro Asp
 1 5 10 15
 Ile Lys Leu Phe Gly Lys Trp Ser Thr Asp Asp Val Gln Ile Asn Asp

	20		25		30
Ile Ser Leu Gln Asp Tyr Ile Ala Val Lys Glu Lys Tyr Ala Lys Tyr					
	35		40		45
Leu Pro His Ser Ala Gly Arg Tyr Ala Ala Lys Arg Phe Arg Lys Ala					
	50		55		60
Gln Cys Pro Ile Val Glu Arg Leu Thr Asn Ser Met Met Met His Gly					
65			70		75
Arg Asn Asn Gly Lys Lys Leu Met Thr Val Arg Ile Val Lys His Ala					
		85		90	95
Phe Glu Ile Ile His Leu Leu Thr Gly Glu Asn Pro Leu Gln Val Leu					
	100		105		110
Val Asn Ala Ile Ile Asn Lys Trp Ser Pro Gly Gly Xaa Ala					
	115		120		125

<210> 5961
 <211> 516
 <212> PRT
 <213> Homo sapiens

<400> 5961	
Met Ala Leu Glu Gly Met Ser Lys Arg Lys Arg Lys Arg Ser Val Gln	
1	5
Glu Gly Glu Asn Pro Asp Asp Gly Val Arg Gly Ser Pro Pro Glu Asp	10
	15
	20
Tyr Arg Leu Gly Gln Val Ala Ser Ser Leu Phe Arg Gly Glu His His	25
	30
	35
Ser Arg Gly Gly Thr Gly Arg Leu Ala Ser Leu Phe Ser Ser Leu Glu	40
	45
	50
Pro Gln Ile Gln Pro Val Tyr Val Pro Val Pro Lys Gln Thr Ile Lys	55
65	60
	70
Lys Thr Lys Arg Asn Glu Glu Glu Glu Ser Thr Ser Gln Ile Glu Arg	75
	80
	85
Pro Leu Ser Gln Glu Pro Ala Lys Lys Val Lys Ala Lys Lys Xaa His	90
	95
	100
Thr Asn Ala Glu Lys Lys Leu Ala Asp Arg Glu Ser Ala Leu Ala Ser	105
	110
	115
Ala Asp Leu Glu Glu Xaa Ile His Gln Lys Gln Gly Gln Lys Arg Lys	120
	125
	130
Asn Ser Gln Pro Gly Val Lys Val Ala Asp Arg Xaa Ile Leu Asp Asp	135
145	140
	150
Thr Glu Asp Thr Val Val Ser Gln Arg Lys Lys Ile	155
	160
	165
	170

<210> 5962
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 5962	
Met Ala Leu Glu Gly Met Ser Lys Arg Lys Arg Lys Arg Ser Val Gln	
1	5
Glu Gly Glu Asn Pro Asp Asp Gly Val Arg Gly Ser Pro Pro Glu Asp	10
	15
	20
Tyr Arg Leu Gly Gln Val Ala Ser Ser Leu Phe Arg Gly Glu His His	25
	30

35 40 45
 Ser Arg Gly Gly Thr Gly Arg Leu Ala Ser Leu Phe Ser Ser Leu Glu
 50 55 60
 Xaa Gln Ile Gln Pro Val Tyr Val Pro Val Pro Lys Val Ser His Trp
 65 70 75 80
 Ala Phe Phe Pro Asn Ser Ser Leu Glu Pro Leu Thr Tyr Lys Ala Ile
 85 90 95
 Phe Leu Pro Thr
 100

<210> 5963
 <211> 423
 <212> PRT
 <213> Homo sapiens

<400> 5963
 Met Arg Gly Tyr Leu Val Ala Ile Phe Leu Ser Ala Val Phe Leu Tyr
 1 5 10 15
 Tyr Val Leu His Cys Ile Leu Trp Gly Thr Asn Val Tyr Trp Val Ala
 20 25 30
 Pro Val Glu Met Lys Arg Arg Asn Lys Ile Gln Pro Cys Leu Ser Lys
 35 40 45
 Pro Ala Phe Ala Ser Leu Leu Arg Phe His Gln Phe His Pro Phe Leu
 50 55 60
 Cys Ala Ala Asp Phe Arg Lys Ile Ala Ser Leu Tyr Gly Ser Asp Lys
 65 70 75 80
 Phe Asp Leu Pro Tyr Gly Met Arg Thr Ser Ala Glu Tyr Phe Arg Leu
 85 90 95
 Ala Leu Ser Lys Leu Gln Ser Cys Asp Leu Phe Asp Glu Phe Asp Asn
 100 105 110
 Ile Pro Cys Lys Lys Cys Val Val Gly Asn Gly Gly Val Leu Lys
 115 120 125
 Asn Lys Thr Leu Gly Glu Lys Ile Asp Ser Tyr Asp Val
 130 135 140

<210> 5964
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 5964
 Met Glu Val Gly Ser Gly Ser Arg Glu Leu Ser Leu Arg Pro Ser Arg
 1 5 10 15
 Ser Gly Ala Gln Gln Leu Glu Glu Gly Pro Met Glu Glu Glu Glu
 20 25 30
 Ala Gln Pro Met Ala Ala Pro Glu Gly Lys Arg Ser Leu Ala Asn Gly
 35 40 45
 Pro Asn Ala Gly Glu Gln Pro Gly Gln Val Ala Gly Ala Asp Phe Glu
 50 55 60
 Ser Glu Asp Glu Gly Glu Glu Phe Asp Asp Trp Glu Asp Asp Tyr Asp
 65 70 75 80
 Tyr Pro Glu Glu Glu Gln Leu Ser Gly Ala Gly Tyr Arg Val Ser Ala
 85 90 95
 Xaa Leu Glu Glu Ala Asp Lys Met Phe Leu Arg Thr Arg Glu Pro Ala

100 105 110
 Trp Met Ala Gly Phe Arg Cys Ile Met Arg Arg
 115 120

<210> 5965
 <211> 465
 <212> PRT
 <213> Homo sapiens

<400> 5965
 Met Ala Ser Ser Ala Ser Ala Arg Thr Pro Ala Gly Lys Arg Val Ile
 1 5 10 15
 Asn Gln Glu Glu Leu Arg Arg Leu Met Lys Glu Lys Gln Arg Leu Ser
 20 25 30
 Thr Ser Arg Lys Arg Ile Glu Ser Pro Phe Ala Lys Tyr Asn Arg Leu
 35 40 45
 Gly Gln Leu Ser Cys Ala Leu Cys Asn Thr Pro Val Lys Ser Glu Leu
 50 55 60
 Leu Trp Gln Thr His Val Leu Gly Lys Gln His Arg Glu Lys Val Ala
 65 70 75 80
 Glu Leu Lys Gly Ala Lys Glu Ala Ser Gln Gly Ser Ser Ala Ser Ser
 85 90 95
 Ala Pro Gln Ser Val Xaa Xaa Lys Ala Pro Asp Ala Asp Asp Gln Asp
 100 105 110
 Val Lys Arg Ala Lys Ala Thr Leu Val Pro Gln Val Gln Pro Ser Thr
 115 120 125
 Ser Ala Trp Thr Thr Asn Phe Asp Lys Ile Gly Lys Glu Phe Ile Arg
 130 135 140
 Ala Thr Pro Ser Lys Pro Ser Gly Leu Ser Leu
 145 150 155

<210> 5966
 <211> 282
 <212> PRT
 <213> Homo sapiens

<400> 5966
 Met Gly Gly Cys Ala Gly Ser Arg Arg Arg Phe Ser Asp Ser Glu Gly
 1 5 10 15
 Glu Glu Thr Val Pro Glu Pro Arg Leu Pro Leu Leu Asp His Gln Gly
 20 25 30
 Ala His Trp Lys Asn Ala Val Gly Phe Trp Leu Leu Gly Leu Cys Asn
 35 40 45
 Asn Phe Ser Tyr Val Val Met Leu Ser Ala Ala His Asp Ile Leu Ser
 50 55 60
 His Lys Arg Thr Ser Gly Asn Gln Ser His Val Asp Pro Gly Pro Thr
 65 70 75 80
 Pro Ile Pro His Asn Ser Ser Ser Arg Phe Asp Cys Asn Ser
 85 90

<210> 5967
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 5967

Met Ile Leu Gln Arg Leu Phe Arg Phe Ser Ser Val Ile Arg Ser Ala
1 5 10 15
Val Ser Val His Leu Arg Arg Asn Ile Gly Val Thr Ala Val Ala Phe
20 25 30
Asn Lys Glu Leu Asp Pro Ile Gln Lys Leu Phe Val Asp Lys Ile Arg
35 40 45
Glu Tyr Lys Ser Lys Arg Gln Thr Ser Gly Gly Pro Val Asp Ala Ser
50 55 60
Ser Glu Tyr Gln Gln Glu Leu Glu Arg Glu Leu Phe Lys Leu Lys Gln
65 70 75 80
Met Phe Gly Asn Ala Asp Met Asn Thr Phe Pro Thr Phe Lys Phe Glu
85 90 95
Asp Pro Lys Phe Glu Val Ile Glu Lys Pro
100 105

<210> 5968

<211> 207

<212> PRT

<213> Homo sapiens

<400> 5968

Met Ile Leu Gln Arg Leu Phe Arg Phe Ser Ser Val Ile Arg Ser Ala
1 5 10 15
Val Ser Val His Leu Arg Arg Asn Ile Gly Val Thr Ala Val Ala Phe
20 25 30
Asn Lys Glu Leu Asp Pro Ile Gln Lys Leu Phe Val Asp Lys Ile Arg
35 40 45
Glu Tyr Lys Ser Lys Arg Gln Thr Ser Gly Gly Pro Val Asp Ala Ser
50 55 60
Xaa Glu Tyr Gln Gln
65

<210> 5969

<211> 309

<212> PRT

<213> Homo sapiens

<400> 5969

Met Asp Leu Pro Asp Ser Ala Ser Arg Val Phe Cys Gly Arg Ile Leu
1 5 10 15
Ser Met Val Asn Thr Asp Asp Val Asn Ala Ile Ile Leu Ala Gln Lys
20 25 30
Asn Met Leu Asp Arg Phe Glu Lys Thr Asn Glu Met Leu Leu Asn Phe
35 40 45
Asn Asn Leu Ser Ser Ala Arg Leu Gln Gln Met Ser Glu Arg Phe Leu
50 55 60
His His Thr Arg Thr Leu Val Glu Met Lys Arg Asp Leu Asp Ser Ile
65 70 75 80
Phe Arg Arg Ile Arg Thr Leu Lys Gly Lys Leu Ala Arg Gln His Pro
85 90 95
Glu Ala Phe Ser His Ile Pro
100

<210> 5970
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 5970
 Met Pro Ser Ser Pro Leu Arg Val Ala Val Val Cys Ser Ser Asn Gln
 1 5 10 15
 Asn Arg Ser Met Glu Ala His Asn Ile Leu Ser Lys Arg Gly Phe Ser
 20 25 30
 Val Arg Ser Phe Gly Thr Gly Thr His Val Lys Leu Pro Gly Pro Ala
 35 40 45
 Pro Asp Lys Pro
 50

<210> 5971
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 5971
 Met Arg Gln Lys His Tyr Leu Glu Ala Ala Ala Arg Gly Leu His Asp
 1 5 10 15
 Ser Cys Pro Gly Gln Ala Arg Tyr Leu Leu Trp Ala Tyr Thr Ser Ser
 20 25 30
 His Asp Asp Lys Ser Thr Phe Glu Thr Cys Pro Tyr Cys Phe Gln
 35 40 45
 Leu Leu Val Leu Asp Asn Ser Arg Val Arg Leu Lys Pro Lys Ala Arg
 50 55 60
 Leu Thr Pro Lys Ile Gln Lys Leu Leu Asn Arg Glu Ala Arg Asn Tyr
 65 70 75 80
 Thr Leu Ser Phe Lys Glu Ala Lys Met Val Lys Lys Phe Lys Asp Ser
 85 90 95
 Lys Ser Val Leu Leu Ile Thr Cys Lys Thr Cys Asn Arg Thr Val Lys
 100 105 110
 His His Gly Lys Ser Arg Ser Phe Val Ser Thr Leu Gln Glu Gln Ser
 115 120 125
 Cys

<210> 5972
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 5972
 Met Phe Thr Met Thr Arg Ala Met Glu Glu Ala Leu Phe Gln His Phe
 1 5 10 15
 Met His Gln Lys Leu Gly Ile Ala Tyr Ala Ile His Lys Pro Phe Pro
 20 25 30
 Phe Phe Glu Gly Leu Leu Asp Asn Ser Ile Ile Thr Lys Arg Met Tyr
 35 40 45
 Met Glu Ser Leu Glu Ala Cys Arg Asn Leu Ile Pro Val Ser Arg Val
 50 55 60

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Val His Asn Ile Leu Thr Gln Leu Glu Arg Thr Phe Asn Leu Ser Leu
65 70 75 80
Leu Val Thr Leu Phe Ser Gln Ile Asn Leu Arg Glu Tyr Pro Asn Leu
85 90 95
Val Thr Ile Tyr Arg Ser Phe Lys Arg Val Gly Ala Ser Tyr Glu Arg
100 105 110
Gln Ser Arg Asp Thr Pro Ile Leu Leu
115 120

<210> 5973
<211> 273
<212> PRT
<213> Homo sapiens

<400> 5973
Met Gly Ile Cys Asp Ser Ser Glu Cys Gly Gly Cys Glu Arg Cys Asp
1 5 10 15
Gly Cys Gln Met Phe Pro Ile Asn Gly Ser Arg Phe Lys Cys Arg Asn
20 25 30
Cys Asp Asp Phe Asp Phe Cys Glu Thr Cys Phe Lys Thr Lys Lys His
35 40 45
Asn Thr Arg His Thr Phe Gly Arg Ile Asn Glu Pro Gly Phe Ser Arg
50 55 60
Arg Asn Thr Ser Tyr Lys Ser Arg Pro Asn Arg Lys Val Gln Phe Phe
65 70 75 80
Ser Cys Ser Lys Pro Glu Asn Thr Leu Ser Ser
85 90

<210> 5974
<211> 213
<212> PRT
<213> Homo sapiens

<400> 5974
Met Gln Ala Val Trp Asp Leu Glu Gln Gly Lys Tyr Gly Phe Ala Val
1 5 10 15
Gln Arg Gly Arg Met Pro Pro Thr Gln Pro Thr His Gly Gln Phe Ala
20 25 30
Leu Thr Asn Gly Asp Pro Ser Thr Ala Thr Arg Thr Cys Pro Asp Ile
35 40 45
Phe Pro Cys Cys Cys Ala Arg Xaa Leu Ser His Val Ala Leu Arg Gln
50 55 60
Pro Met His Ala Ala Gln Gln
65 70

<210> 5975
<211> 213
<212> PRT
<213> Homo sapiens

<400> 5975
Met Lys Val Leu Asn Glu Leu Tyr Ser Val Met Lys Thr Tyr His Met
1 5 10 15
Tyr Asn Ala Asp Ser Ile Ser Ala Gln Ser Lys Leu Lys Glu Ala Glu

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20 25 30
 Lys Gln Glu Glu Lys Gln Ile Gly Lys Ser Val Lys Gln Glu Asp Arg
 35 40 45
 Gln Thr Pro Arg Ser Pro Asp Ser Thr Ala Asn Val Arg Ile Glu Glu
 50 55 60
 Lys His Val Arg Arg Ser Ser
 65 70

<210> 5976
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 5976
 Met Ala Ser Pro Gln Gly Gly Gln Ile Ala Ile Ala Met Arg Leu Arg
 1 5 10 15
 Asn Gln Leu Gln Ser Val Tyr Lys Met Asp Pro Leu Arg Asn Glu Glu
 20 25 30
 Glu Val Arg Val Lys Ile Lys Asp Leu Asn Glu His Ile Val Cys Cys
 35 40 45
 Leu Cys Ala Gly Tyr Phe Val Asp Ala Thr Thr Ile Thr Glu Cys Leu
 50 55 60
 His Thr Phe Cys Lys Ser Cys Ile Val Lys Tyr Leu Gln Thr Ser Lys
 65 70 75 80
 Tyr Cys Pro Met Cys Asn Ile Lys Ile His Glu Thr Gln Pro Leu Leu
 85 90 95
 Asn Leu Lys Leu Asp Arg Val Met Gln Asp Ile Val Tyr Lys Leu Val
 100 105 110
 Pro Gly Leu Gln Asp Ser Glu Glu Lys
 115 120

<210> 5977
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 5977
 Met Thr Cys Leu Gly Phe Leu Met Thr Thr Thr Ser Lys His Ala Ala
 1 5 10 15
 Tyr Cys Leu Lys Gly Ser Cys Leu Thr Gln Ala Arg Val Gln Trp Pro
 20 25 30
 Leu Lys Leu Thr Thr Ala Ser Asn Phe Trp Ala Gln Val Ile Leu Ser
 35 40 45
 Leu Pro Val Val Phe Val Asp Cys Leu Met Glu Ser His Gly
 50 55 60

<210> 5978
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5978
 Met Thr Thr Thr Ser Lys His Ala Ala Tyr Cys Leu Lys Gly Ser Cys
 1 5 10 15

Leu Xaa Gln Ala Arg Val Gln Trp Pro Leu Lys Xaa Thr Thr Ala Ser
 20 25 30
 Asn Phe Trp Ala Gln Val Ile Leu Ser Leu Pro Val Val Phe Val Asp
 35 40 45
 Cys Leu Met Glu Xaa His Gly
 50 55

<210> 5979
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 5979
 Met Thr Cys Leu Gly Phe Leu Met Thr Thr Thr Ser Lys His Ala Ala
 1 5 10 15
 Tyr Cys Leu Lys Gly Ser Cys Leu Thr Gln Ala Arg Val Gln Trp Pro
 20 25 30
 Leu Lys Leu Thr Thr Ala Ser Asn Phe Trp Ala Gln Val Ile Leu Ser
 35 40 45
 Leu Pro Val Val Phe Val Asp Cys Leu Met Glu Ser His Gly
 50 55 60

<210> 5980
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5980
 Met Thr Thr Thr Ser Lys His Ala Ala Tyr Cys Leu Lys Gly Ser Cys
 1 5 10 15
 Leu Xaa Gln Ala Arg Val Gln Trp Pro Leu Lys Xaa Thr Thr Ala Ser
 20 25 30
 Asn Phe Trp Ala Gln Val Ile Leu Ser Leu Pro Val Val Phe Val Asp
 35 40 45
 Cys Leu Met Glu Xaa His Gly
 50 55

<210> 5981
 <211> 165
 <212> PRT
 <213> Homo sapiens

<400> 5981
 Met Thr Thr Thr Ser Lys His Ala Ala Tyr Cys Leu Lys Gly Ser Cys
 1 5 10 15
 Leu Xaa Gln Ala Arg Val Gln Trp Pro Leu Lys Xaa Thr Thr Ala Ser
 20 25 30
 Asn Phe Trp Ala Gln Val Ile Leu Ser Leu Pro Val Val Phe Val Asp
 35 40 45
 Cys Leu Met Glu Xaa His Gly
 50 55

<210> 5982
 <211> 174

<212> PRT

<213> Homo sapiens

<400> 5982

Met Asp Arg Leu Leu Arg Leu Gly Gly Gly Met Pro Gly Leu Gly Gln
1 5 10 15
Gly Pro Pro Thr Asp Ala Pro Ala Val Asp Thr Ala Glu Gln Val Tyr
20 25 30
Ile Ser Ser Leu Ala Leu Leu Lys Met Leu Lys His Gly Arg Ala Gly
35 40 45
Val Pro Met Glu Val Met Gly Leu Met Leu
50 55

<210> 5983

<211> 258

<212> PRT

<213> Homo sapiens

<400> 5983

Met Pro Leu Glu Lys Phe Val Asp Met Glu Phe Leu Asp Gln Met Ile
1 5 10 15
Leu Arg Gly Thr Cys Leu Glu Ala Asp Leu Cys Pro Gln Tyr Thr Asn
20 25 30
Ser Pro Phe Asn Ala His Thr Asp Gln Ile Thr Gln Thr His Leu Pro
35 40 45
Pro Gln His Leu Asp Ser Ser His Ser Thr His Thr Cys Leu Pro Val
50 55 60
His Arg His Ile Gln Arg His Thr Asp Lys His His Ser Lys Lys Met
65 70 75 80
Phe Pro Arg Thr His Gly
85

<210> 5984

<211> 393

<212> PRT

<213> Homo sapiens

<400> 5984

Met Glu Arg Ile Ile Leu Asp Lys Leu Asn Trp Asp Leu His Thr Ala
1 5 10 15
Thr Pro Leu Asp Phe Leu His Ile Phe His Ala Ile Ala Val Ser Thr
20 25 30
Arg Pro Gln Leu Leu Phe Ser Leu Pro Lys Leu Ser Pro Ser Gln His
35 40 45
Leu Ala Val Leu Thr Lys Gln Leu Leu His Cys Met Ala Cys Asn Gln
50 55 60
Leu Leu Gln Phe Arg Gly Ser Met Leu Ala Leu Ala Met Val Ser Leu
65 70 75 80
Glu Met Glu Lys Leu Ile Pro Asp Trp Leu Ser Leu Thr Ile Glu Leu
85 90 95
Leu Gln Lys Ala Gln Met Asp Ser Ser Gln Leu Ile His Cys Arg Glu
100 105 110
Leu Val Ala His His Leu Ser Thr Leu Gln Ser Ser Leu Pro Leu Asn
115 120 125

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Ser Val Tyr
130

<210> 5985
<211> 171
<212> PRT
<213> Homo sapiens

<400> 5985
Met Ser Leu Pro Ser Gly His Thr Thr Gly His Thr Asp Gln Val Val
1 5 10 15
Gln Arg Arg Ala Arg Cys Trp Asp Ile Tyr Gln Arg Arg Phe Ser Ser
20 25 30
Arg Ser Glu Pro Val Asn Pro Gly Met His Ser Ser Ser His Gln Gln
35 40 45
Gln Arg Trp Arg Cys Ser Asn Ala Xaa
50 55

<210> 5986
<211> 168
<212> PRT
<213> Homo sapiens

<400> 5986
Met Ala Met Ala Ser Val Lys Leu Leu Ala Gly Val Leu Arg Lys Pro
1 5 10 15
Asp Ala Trp Ile Gly Leu Trp Gly Val Leu Arg Gly Thr Pro Ser Ser
20 25 30
Tyr Lys Leu Cys Thr Ser Trp Asn Arg Tyr Leu Tyr Phe Ser Ser Thr
35 40 45
Lys Leu Arg Ala Pro Asn Tyr Lys
50 55

<210> 5987
<211> 234
<212> PRT
<213> Homo sapiens

<400> 5987
Met Asp His His Gln Pro Gly Thr Gly Arg Tyr Gln Val Leu Leu Asn
1 5 10 15
Glu Glu Asp Asn Ser Glu Ser Ser Ala Ile Glu Gln Pro Pro Thr Ser
20 25 30
Asn Pro Ala Pro Xaa Ile Val Gln Ala Ala Ser Ser Ala Pro Ala Leu
35 40 45
Glu Thr Asp Ser Ser Pro Pro Pro Tyr Ser Ser Ile Thr Val Glu Val
50 55 60
Pro Thr Thr Ser Asp Thr Glu Val Tyr Gly Glu Phe Tyr Pro
65 70 75

<210> 5988
<211> 213
<212> PRT
<213> Homo sapiens

<400> 5988

Met Pro Cys Ala Tyr Leu Ser Ile Asp Ala Met Asp Val Ala Gly Glu
1 5 10 15
Gln Gln Leu Asp Val Glu His Asn Leu Phe Lys Gln Arg Leu Asp Lys
20 25 30
Asp Gly Ile Pro Val Ser Ser Glu Ala Glu Arg His Glu Leu Gly Lys
35 40 45
Val Glu Val Thr Val Phe Asp Pro Asp Ser Leu Asp Pro Asp Arg Cys
50 55 60
Glu Ser Cys Tyr Gly Ala Glu
65 70

<210> 5989

<211> 180

<212> PRT

<213> Homo sapiens

<400> 5989

Met Leu Asp Lys Glu Ile Ser Gln Phe Val Ser Glu Gly Tyr Ser Val
1 5 10 15
Asp Glu Leu Glu Asp His Ile Thr Gln Leu His Glu Tyr Asn Asp Ile
20 25 30
Lys Asp Val Gly Gln Met Leu Met Gly Lys Leu Ala Val Ile Arg Gly
35 40 45
Val Thr Thr Lys Glu Leu Tyr Pro Glu Phe Gly Leu
50 55 60

<210> 5990

<211> 360

<212> PRT

<213> Homo sapiens

<400> 5990

Met Val Asp Tyr Ser Val Trp Asp His Ile Glu Val Ser Asp Asp Glu
1 5 10 15
Asp Glu Thr His Pro Asn Ile Asp Thr Ala Ser Leu Phe Arg Trp Arg
20 25 30
His Gln Ala Arg Val Glu Arg Met Glu Gln Phe Gln Lys Glu Lys Glu
35 40 45
Glu Leu Asp Arg Gly Cys Arg Glu Cys Lys Arg Lys Val Ala Glu Cys
50 55 60
Gln Arg Lys Leu Lys Glu Leu Glu Val Ala Glu Gly Gly Lys Ala Glu
65 70 75 80
Leu Glu Arg Leu Gln Xaa Xaa Ala Gln Gln Leu Arg Lys Glu Glu Arg
85 90 95
Thr Gly Ser Arg Xaa Xaa Glu Glu Met Arg Lys Lys Glu Lys Ser Met
100 105 110
Xaa Gly Thr Trp Thr Arg Ser Ala
115 120

<210> 5991

<211> 261

<212> PRT

<213> Homo sapiens

<400> 5991

Met Val Asp Tyr Ser Val Trp Asp His Ile Glu Val Ser Asp Asp Glu
1 5 10 15
Asp Glu Thr His Pro Asn Ile Asp Thr Ala Ser Leu Phe Arg Trp Arg
20 25 30
His Gln Ala Arg Val Glu Arg Met Glu Gln Phe Gln Lys Glu Lys Glu
35 40 45
Glu Leu Asp Arg Gly Cys Arg Glu Cys Lys Arg Lys Val Ala Glu Cys
50 55 60
Gln Arg Lys Leu Lys Glu Leu Glu Val Ala Glu Gly Gly Lys Ala Ala
65 70 75 80
Pro Pro Ser Leu Pro Leu Leu
85

<210> 5992

<211> 348

<212> PRT

<213> Homo sapiens

<400> 5992

Met Glu Gly Ile Ser Ile Tyr Thr Ser Asp Asn Tyr Thr Glu Glu Met
1 5 10 15
Gly Ser Gly Asp Tyr Asp Ser Met Lys Glu Pro Cys Phe Arg Glu Glu
20 25 30
Asn Ala Asn Phe Asn Lys Ile Phe Leu Pro Thr Ile Tyr Ser Ile Ile
35 40 45
Phe Leu Thr Gly Ile Val Gly Asn Gly Leu Val Ile Leu Val Met Gly
50 55 60
Tyr Gln Lys Lys Leu Arg Ser Met Thr Asp Lys Tyr Arg Leu His Leu
65 70 75 80
Ser Val Ala Asp Leu Leu Phe Val Ile Thr Leu Pro Phe Trp Ala Val
85 90 95
Asp Ala Val Ala Asn Trp Tyr Phe Gly Asn Phe Leu Cys Lys Ala Val
100 105 110
His Val Ile Tyr
115

<210> 5993

<211> 279

<212> PRT

<213> Homo sapiens

<400> 5993

Met Glu Gly Lys Arg Gly Glu Gln Arg Lys His Ile Gln Lys Ser Pro
1 5 10 15
Arg Gly Leu Cys Ala Ser Ala Pro Phe Ser Cys Cys Leu Glu Gln Gly
20 25 30
Val Ser Arg Lys Met Phe Leu Ser Lys Val Phe Met Glu Pro Leu Leu
35 40 45
Pro Leu Tyr Leu Cys Ser Ser Leu Lys Leu Arg Thr His Val Ser Ala
50 55 60
Lys Thr Ser Gly Asp Pro Lys Arg Glu Arg His Xaa Gln Val Thr Ser

65 70 75 80
 Gly Gly Leu Ala Thr Lys Glu Tyr Leu Lys Phe Asn Ser
 85 90

<210> 5994
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 5994
 Met Ala Ser Val Xaa Leu Ser Glu Ala Glu Lys Val Tyr Ile Val His
 1 5 10 15
 Gly Val Gln Glu Asp Leu Arg Val Asp Gly Arg Gly Cys Glu Asp Tyr
 20 25 30
 Arg Cys Val Glu Val Glu Thr Asp Val Val Ser Asn Thr Ser Gly Ser
 35 40 45
 Ala Arg Val Lys Leu Gly His Thr Asp Ile Leu Val
 50 55 60

<210> 5995
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5995
 Met Asp Ala Ile Leu Asn Tyr Arg Ser Glu Asp Thr Glu Asp Tyr Tyr
 1 5 10 15
 Thr Leu Leu Gly Cys Asp Glu Leu Ser Ser Val Glu Gln Ile Leu Ala
 20 25 30
 Glu Phe Lys Val Arg Ala Leu Glu Cys His Pro Asp Lys His Pro Glu
 35 40 45
 Asn Pro Lys Ala Val Glu Thr Phe Gln Lys Leu Gln Lys Ala Lys Glu
 50 55 60
 Ile Leu Thr Asn Glu Glu Ser Arg Ala Arg Tyr Asp His Trp Arg Arg
 65 70 75 80
 Ser Gln Met Ser Met Pro Phe Gln Gln Trp Glu Ala Xaa Asn Asp Ser
 85 90 95
 Val Lys Thr Ser Met His Trp Val Val
 100 105

<210> 5996
 <211> 282
 <212> PRT
 <213> Homo sapiens

<400> 5996
 Met Ser Tyr Asp Arg Ala Ile Thr Val Phe Ser Pro Asp Gly His Leu
 1 5 10 15
 Phe Gln Val Glu Tyr Ala Gln Glu Ala Val Lys Lys Gly Ser Thr Ala
 20 25 30
 Val Gly Val Arg Gly Arg Asp Ile Val Val Leu Gly Val Glu Lys Lys
 35 40 45
 Ser Val Ala Lys Leu Gln Asp Glu Arg Thr Val Arg Lys Ile Cys Ala
 50 55 60

Leu Asp Asp Asn Val Cys Met Ala Phe Ala Gly Leu Thr Ala Asp Ala
 65 70 75 80
 Arg Ile Val Ile Asn Arg Ala Arg Val Glu Cys Gln Ser His
 85 90

<210> 5997
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 5997
 Met Leu Arg Ile Pro Val Arg Lys Ala Leu Val Gly Leu Ser Lys Ser
 1 5 10 15
 Pro Lys Gly Cys Val Arg Thr Thr Ala Thr Ala Ala Ser Asn Leu Ile
 20 25 30
 Glu Val Phe Val Asp Gly Gln Ser Val Met Val Glu Pro Gly Thr Thr
 35 40 45
 Val Leu Gln Ala Cys Glu Lys Val Gly Met Gln Ile Pro Arg Phe Cys
 50 55 60
 Tyr His Glu Arg Leu Ser Val Ala Gly Asn Cys Arg Met Cys Leu Val
 65 70 75 80
 Glu Ile Glu Lys Ala Pro Lys Val Val Ala Ala Cys Ala Met Pro Val
 85 90 95
 Met Lys Gly Trp Asn Ile Leu Thr Asn
 100 105

<210> 5998
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 5998
 Met Ser Phe Phe Pro Glu Leu Tyr Phe Asn Val Asp Asn Gly Tyr Leu
 1 5 10 15
 Glu Gly Leu Val Arg Gly Leu Lys Ala Gly Val Leu Ser Gln Ala Asp
 20 25 30
 Tyr Leu Asn Leu Val Gln Cys Glu Thr Leu Glu Asp Leu Lys Leu His
 35 40 45
 Leu Gln Ser Thr Asp Tyr Gly Asn Phe Leu Ala Asn Glu Ala Ser Pro
 50 55 60
 Leu Thr Val Ser Val Ile Asp Asp Arg Leu Lys Glu Lys Met Val Val
 65 70 75 80
 Glu Phe Arg His Met Arg Asn His Ala Tyr Glu Pro Leu Ala Ser Phe
 85 90 95

<210> 5999
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 5999
 Met Ser Asp Lys Leu Pro Tyr Lys Val Ala Asp Ile Gly Leu Ala Ala
 1 5 10 15
 Trp Gly Arg Lys Ala Leu Asp Ile Ala Glu Asn Glu Met Pro Gly Leu

004220"556560

20 25 30
 Met Arg Met Arg Glu Arg Tyr Ser Ala Ser Lys Pro Leu Lys Gly Ala
 35 40 45
 Arg Ile Ala Gly Cys Leu His Met Thr Val Glu Thr Ala Val Leu Ile
 50 55 60
 Glu Thr Leu Val Thr Leu Gly Ala Glu Val Gln Trp Ser Ser Cys Asn
 65 70 75 80
 Ile

<210> 6000
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 6000
 Met Phe Ser Ala Gly Ala Glu Ser Leu Leu His Gln Ala Arg Glu Ile
 1 5 10 15
 Gln Asp Xaa Glu Leu Lys Lys Phe Cys Ser Arg Ile Cys Lys Leu Leu
 20 25 30
 Gln Ala Glu Asp Leu Gly Pro Asp Thr Leu Asp Ser Leu Gln Arg Leu
 35 40 45
 Phe Leu Ile Ile Ser Ala Thr Lys Tyr Ser Arg Arg Xaa Lys Lys Thr
 50 55 60
 Cys Val Asp Leu Leu Gln Ala Thr Leu Gly Leu Pro Ala Cys Pro Glu
 65 70 75 80
 Gln Leu Gln Val Leu Xaa Ala Pro Ser Cys Glu Arg Cys Pro Pro Leu
 85 90 95
 Thr Ala Ser Ala Leu Gly Leu
 100

<210> 6001
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 6001
 Met Glu Glu Ala Val Pro Cys Gln Arg His Leu Phe Gln Ala Lys Arg
 1 5 10 15
 Phe Asn Arg Arg Ala Tyr Cys Gly Gln Cys Ser Glu Arg Ile Trp Gly
 20 25 30
 Leu Ala Arg Gln Gly Tyr Arg Cys Ile Asn Cys Lys Leu Leu Val His
 35 40 45
 Lys Arg Cys His Gly Leu Val Pro Leu Thr Cys Arg Lys His Met Asp
 50 55 60
 Ser Val Xaa Pro Ser Gln Glu Pro Pro Val Asp Asp Lys Asn Glu
 65 70 75

<210> 6002
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 6002
 Met Asp Gly Glu Asp Ile Pro Asp Phe Ser Ser Leu Lys Glu Glu Thr

1 5 10 15
Ala Tyr Trp Lys Glu Leu Ser Leu Lys Tyr Lys Gln Ser Phe Gln Glu
20 25 30
Ala Arg Asp Glu Leu Val Glu Phe Gln Glu Gly Ser Arg Glu Leu Glu
35 40 45
Ala Glu Leu Glu Ala Gln Leu Val Gln Ala Glu Gln Arg Asn Arg Asp
50 55 60
Leu Gln Ala Asp Asn Gln Arg Leu Lys Tyr Glu Val Glu Ala Leu Lys
65 70 75 80
Glu Ser

<210> 6003
<211> 201
<212> PRT
<213> Homo sapiens

<400> 6003
Met Ala Ser Xaa Ala Ala Ser Ser Val Arg Pro Pro Arg Pro Lys Lys
1 5 10 15
Glu Pro Gln Thr Leu Val Ile Pro Lys Asn Ala Ala Glu Glu Gln Lys
20 25 30
Leu Lys Leu Glu Arg Leu Met Lys Asn Pro Val Gln Val Leu Gly Pro
35 40 45
Ala Val Glu Ser Ser Thr Cys Thr Asp Ile Cys Ala Gly Glu Xaa Ile
50 55 60
Ser Asp Arg
65

<210> 6004
<211> 249
<212> PRT
<213> Homo sapiens

<400> 6004
Met Thr Glu Phe Trp Leu Ile Ser Ala Pro Gly Glu Lys Thr Cys Gln
1 5 10 15
Gln Thr Trp Glu Lys Leu His Ala Ala Thr Ser Lys Asn Asn Asn Leu
20 25 30
Ala Val Thr Ser Lys Phe Asn Ile Pro Asp Xaa Lys Val Gly Thr Leu
35 40 45
Asp Val Leu Val Gly Leu Ser Asp Glu Leu Ala Lys Leu Asp Ala Phe
50 55 60
Val Glu Gly Val Val Lys Lys Val Ala Gln Tyr Met Ala Asp Val Leu
65 70 75 80
Glu Asp Ser

<210> 6005
<211> 309
<212> PRT
<213> Homo sapiens

<400> 6005
Met Gln Ala Val Val Pro Leu Asn Lys Met Thr Ala Ile Ser Pro Glu
1 5 10 15

Pro Gln Thr Leu Ala Ser Thr Glu Gln Asn Glu Val Pro Arg Val Val
 20 25 30
 Thr Ser Gly Glu Gln Glu Ala Ile Leu Arg Gly Asn Ala Ala Asp Ala
 35 40 45
 Glu Ser Phe Arg Gln Arg Phe Arg Trp Phe Cys Tyr Ser Glu Val Ala
 50 55 60
 Gly Pro Arg Lys Ala Leu Ser Gln Leu Trp Glu Leu Cys Asn Gln Trp
 65 70 75 80
 Leu Arg Pro Asp Ile His Thr Lys Glu Gln Ile Leu Glu Leu Leu Val
 85 90 95
 Phe Glu Gln Phe Leu Thr Ile
 100

<210> 6006
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6006
 Met Met Met Asp Leu Phe Glu Thr Gly Ser Tyr Phe Phe Tyr Leu Asp
 1 5 10 15
 Gly Glu Asn Val Thr Leu Gln Pro Leu Glu Val Ala Glu Gly Ser Pro
 20 25 30
 Leu Tyr Pro Gly Ser Asp Gly Thr Leu Ser Pro Cys Gln Asp Gln Met
 35 40 45
 Pro Pro Glu Ala Gly Ser Asp Ser Ser
 50 55

<210> 6007
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 6007
 Met Gly Ser Ser Arg Leu Arg Val Phe Asp Pro His Leu Glu Arg Lys
 1 5 10 15
 Asp Ser Ala Ala Ala Leu Ser Asp Arg Glu Leu Pro Leu Pro Thr Phe
 20 25 30
 Asp Val Pro Tyr Phe Lys Tyr Ile Asp Glu Glu Asp Glu Asp Asp Glu
 35 40 45
 Trp Ser Ser Arg Ser Gln Ser Ser Thr Glu Asp Asp Ser Val Asp Ser
 50 55 60
 Leu Leu Ser Asp Arg Tyr Val Val Val Ser Gly Thr Pro Glu Lys Ile
 65 70 75 80
 Leu Glu His Leu Leu Asn Asp Leu His Leu Glu Glu Val Gln Asp Lys
 85 90 95
 Glu Thr Glu Thr Leu Leu Asp Asp Phe Leu Leu Thr Tyr Thr Val Phe
 100 105 110
 Met Thr Thr Asp Asp Leu Cys Gln Ala
 115 120

<210> 6008
 <211> 231
 <212> PRT

<213> Homo sapiens

<400> 6008

Met Thr Val His Asp Lys Phe Leu Ala Leu Gly Thr His Tyr Gly Lys
1 5 10 15
Val Tyr Leu Leu Asp Val Gln Gly Asn Ile Thr Gln Lys Phe Asp Val
20 25 30
Ser Pro Val Lys Ile Asn Gln Ile Ser Leu Asp Glu Ser Gly Glu His
35 40 45
Met Gly Val Cys Ser Glu Asp Gly Lys Val Gln Val Phe Gly Leu Tyr
50 55 60
Ser Gly Glu Glu Phe His Glu Thr Phe Asp Cys Pro Ile
65 70 75

<210> 6009

<211> 162

<212> PRT

<213> Homo sapiens

<400> 6009

Met Ala Thr Phe Pro Pro Ala Thr Ser Ala Pro Gln Gln Pro Pro Xaa
1 5 10 15
Pro Glu Asp Glu Asp Ser Ser Leu Asp Glu Ser Asp Leu Tyr Ser Leu
20 25 30
Ala His Ser Tyr Leu Gly Lys Ala His Ser Ala Ile Ser Thr Val Leu
35 40 45
Pro Pro Leu Pro Lys Ser
50

<210> 6010

<211> 300

<212> PRT

<213> Homo sapiens

<400> 6010

Met Thr Thr Leu Arg Ala Phe Thr Cys Asp Asp Leu Phe Arg Phe Asn
1 5 10 15
Asn Ile Asn Leu Asp Pro Leu Thr Glu Thr Tyr Gly Ile Pro Phe Tyr
20 25 30
Leu Gln Tyr Leu Ala His Trp Pro Glu Tyr Phe Xaa Val Ala Glu Ala
35 40 45
Pro Gly Gly Glu Leu Met Gly Tyr Ile Met Gly Lys Ala Glu Gly Ser
50 55 60
Val Ala Arg Glu Glu Trp His Gly His Val Thr Ala Leu Ser Val Ala
65 70 75 80
Pro Glu Phe Arg Arg Leu Gly Leu Ala Ala Lys Leu Met Glu Leu Leu
85 90 95
Glu Glu Ile Gln
100

<210> 6011

<211> 429

<212> PRT

<213> Homo sapiens

<400> 6011

Met	Ser	Ala	His	Leu	Gln	Trp	Met	Val	Val	Arg	Asn	Cys	Ser	Ser	Phe
1				5					10					15	
Leu	Ile	Lys	Arg	Asn	Lys	Gln	Thr	Tyr	Ser	Thr	Glu	Pro	Asn	Asn	Leu
			20					25					30		
Lys	Ala	Arg	Asn	Ser	Phe	Arg	Tyr	Asn	Gly	Leu	Ile	His	Arg	Lys	Thr
		35					40					45			
Val	Gly	Val	Glu	Pro	Ala	Ala	Asp	Gly	Lys	Gly	Val	Val	Val	Val	Ile
	50					55					60				
Lys	Arg	Arg	Ser	Gly	Gln	Arg	Lys	Pro	Ala	Thr	Ser	Tyr	Val	Arg	Thr
65					70					75				80	
Thr	Ile	Asn	Lys	Asn	Ala	Arg	Ala	Thr	Leu	Ser	Ser	Ile	Arg	His	Met
			85					90						95	
Ile	Arg	Lys	Asn	Lys	Tyr	Arg	Pro	Asp	Leu	Arg	Met	Asp	Met	Leu	Ala
			100				105					110			
Ser	Thr	Gly	Ser	Gly	Leu	Cys	Cys	Ser	Val	Ala	Val	Gln	Pro	Xaa	Ala
		115				120						125			
Ser	Ser	Ser	Thr	Leu	Cys	Val	Phe	Val	Pro	Ser	Ser	Val	His	Ala	
	130					135						140			

<210> 6012

<211> 270

<212> PRT

<213> Homo sapiens

<400> 6012

Met	Ser	Ala	His	Leu	Gln	Trp	Met	Val	Val	Arg	Asn	Cys	Ser	Ser	Phe
1				5					10					15	
Leu	Ile	Lys	Arg	Asn	Lys	Gln	Thr	Tyr	Ser	Thr	Glu	Pro	Asn	Thr	Leu
			20					25					30		
Val	Ala	Gly	Ile	Thr	Gly	Ala	Cys	His	His	Thr	Gln	Leu	Ile	Phe	Ile
		35					40					45			
Phe	Leu	Val	Lys	Thr	Gly	Phe	His	His	Val	Gly	Gln	Ala	Ser	His	Glu
	50					55				60					
Leu	Leu	Thr	Ser	Gly	Asp	Pro	Pro	Ala	Ser	Ala	Ser	Gln	Ser	Ala	Gly
65					70					75				80	
Ile	Thr	Gly	Met	Asn	His	Cys	Ala	Gln	Gly						
			85					90							

<210> 6013

<211> 339

<212> PRT

<213> Homo sapiens

<400> 6013

Met	Ser	Ala	His	Leu	Gln	Trp	Met	Val	Val	Arg	Asn	Cys	Ser	Ser	Phe
1				5					10					15	
Leu	Ile	Lys	Arg	Asn	Lys	Gln	Thr	Tyr	Ser	Thr	Glu	Pro	Asn	Asn	Leu
			20					25					30		
Lys	Ala	Arg	Asn	Ser	Phe	Arg	Tyr	Asn	Gly	Leu	Ile	His	Arg	Lys	Thr
		35					40					45			
Val	Gly	Val	Glu	Pro	Ala	Ala	Asp	Gly	Lys	Gly	Val	Val	Val	Val	Ile
	50					55						60			

Lys Arg Arg Ser Gly Gln Arg Lys Pro Ala Thr Ser Tyr Val Arg Thr
 65 70 75 80
 Thr Ile Asn Lys Asn Ala Arg Ala Thr Leu Ser Ser Ile Arg His Met
 85 90 95
 Ile Arg Lys Asn Lys Tyr Gln Arg Val Gly Leu Phe Ser Leu Met Leu
 100 105 110
 Val

<210> 6014
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 6014
 Met Ser Asn Asp Lys Xaa Xaa Asp Arg Val Ser Arg Ala Lys Thr Thr
 1 5 10 15
 Lys Arg Pro Pro Lys Phe Val Phe Lys Lys Thr Asn Glu Lys Ser Lys
 20 25 30
 Xaa Ser Glu Arg Glu Val Gln Asp His Gly Cys Ala Tyr Leu His Ser
 35 40 45
 His Xaa Trp Val Leu Lys Phe Ser Ser Gly Xaa Val Pro Ala Ala Xaa
 50 55 60
 Pro Leu Pro Lys Gly Gln Xaa Arg Pro
 65 70

<210> 6015
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 6015
 Met Arg Ala Ser Trp Leu Leu Pro Gly Leu Arg Glu Ile Lys Leu Trp
 1 5 10 15
 Ala Gln Val Met Lys Pro Thr Ser Pro Gly Asp Thr Val Ser Glu Leu
 20 25 30
 Gln Gly Pro Ala Ser Gly Ala Arg Ser Arg Ala Glu Glu His Phe Arg
 35 40 45
 Arg His Trp Pro Leu Pro Gln Trp Leu Arg Ser
 50 55

<210> 6016
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 6016
 Met Ala Asn Met Ala Asp Thr Lys Leu Tyr Asp Ile Leu Gly Val Pro
 1 5 10 15
 Pro Gly Ala Ser Glu Asn Glu Leu Lys Lys Ala Tyr Arg Lys Leu Ala
 20 25 30
 Lys Glu Tyr His Pro Asp Lys Asn Pro Asn Ala Gly Asp Lys Phe Lys
 35 40 45
 Glu Ile Ser Phe Ala Tyr Glu Val Leu Ser Asn Pro Glu Lys Arg Glu
 50 55 60

Leu Tyr Asp Arg Tyr Gly Glu Gln Gly Leu Arg
65 70 75

<210> 6017
<211> 381
<212> PRT
<213> Homo sapiens

<400> 6017
Met Leu Lys Pro Ala Leu Glu Pro Arg Gly Gly Phe Ser Phe Glu Asn
1 5 10 15
Cys Gln Arg Asn Ala Ser Leu Glu Arg Val Leu Pro Gly Leu Lys Val
20 25 30
Pro His Ala Arg Lys Thr Gly Thr Thr Ile Ala Gly Leu Val Phe Gln
35 40 45
Asp Gly Val Ile Leu Gly Ala Asp Thr Arg Ala Thr Asn Asp Ser Val
50 55 60
Val Ala Xaa Lys Ser Cys Glu Lys Ile His Phe Ile Ala Pro Lys Ile
65 70 75 80
Tyr Cys Cys Gly Ala Gly Val Ala Ala Asp Ala Glu Met Thr Thr Arg
85 90 95
Met Val Ala Ser Lys Met Ala Leu His Ala Leu Ser Thr Gly Arg Glu
100 105 110
Pro Arg Val Ala Thr Val Thr Arg Ile Leu Arg Gln Thr Leu Phe
115 120 125

<210> 6018
<211> 396
<212> PRT
<213> Homo sapiens

<400> 6018
Met Ala Asn Met Gln Gly Leu Val Glu Arg Leu Glu Arg Ala Val Ser
1 5 10 15
Arg Leu Glu Ser Leu Ser Ala Glu Ser His Arg Pro Pro Gly Asn Cys
20 25 30
Gly Glu Val Asn Gly Val Ile Ala Gly Val Ala Pro Ser Val Glu Ala
35 40 45
Phe Asp Lys Leu Met Asp Ser Met Val Ala Glu Phe Leu Lys Asn Ser
50 55 60
Arg Ile Leu Ala Gly Asp Val Glu Thr His Ala Glu Met Val His Ser
65 70 75 80
Ala Phe Gln Ala Gln Arg Ala Phe Leu Leu Met Ala Ser Gln Tyr Gln
85 90 95
Gln Pro His Glu Asn Asp Val Ala Ala Leu Leu Lys Pro Ile Ser Glu
100 105 110
Lys Ile Gln Glu Ile Gln Thr Phe Arg Glu Arg Asn Arg Gly Ser Asn
115 120 125
Met Phe Asn His
130

<210> 6019
<211> 312
<212> PRT

004220" 6667560

<213> Homo sapiens

<400> 6019

Met Cys Ala Val Ser Ser Ile Glu Glu Gln Cys Arg Ala Ser Val Tyr
1 5 10 15
Arg Tyr Tyr Gly Lys Asn Ile Ser Leu Thr Leu Tyr Asp Glu Ala Asn
20 25 30
Thr Asn Thr Met Lys Ala Thr Glu Arg Tyr Asp Ile Phe Asp Pro Arg
35 40 45
Gln Xaa Ile Pro Val Arg Glu Ser Thr Val Val Thr Arg Thr Trp Asp
50 55 60
Ser Ser Cys Gln Ile Thr Asp Gly Ser Leu Gln Leu Thr Ser Trp Leu
65 70 75 80
Thr Thr Val Lys Lys Asn Leu Gly Leu Phe Tyr Phe Ile Phe Val Gly
85 90 95
His His Asn Pro Lys Ser Lys Gly
100

<210> 6020

<211> 264

<212> PRT

<213> Homo sapiens

<400> 6020

Met Glu Ser Ser Ser Ser Asn Ser Tyr Phe Ser Val Gly Pro Thr
1 5 10 15
Ser Pro Ser Ala Val Val Leu Leu Tyr Ser Lys Glu Leu Lys Lys Trp
20 25 30
Asp Glu Phe Glu Asp Ile Leu Glu Arg Arg His Val Ser Asp Leu
35 40 45
Lys Phe Ala Met Lys Cys Tyr Thr Pro Leu Val Tyr Lys Gly Ile Thr
50 55 60
Pro Cys Lys Pro Ile Asp Ile Lys Cys Ser Val Leu Asn Ser Glu Glu
65 70 75 80
Ile His Tyr Val Ile Lys Gln Leu
85

<210> 6021

<211> 336

<212> PRT

<213> Homo sapiens

<400> 6021

Met Ala Thr Tyr Leu Glu Phe Ile Gln Gln Asn Glu Glu Arg Asp Gly
1 5 10 15
Val Arg Phe Ser Trp Asn Val Trp Pro Ser Ser Arg Leu Glu Ala Thr
20 25 30
Arg Met Val Val Pro Leu Ala Cys Leu Leu Thr Pro Leu Lys Glu Arg
35 40 45
Pro Asp Leu Pro Pro Val Gln Tyr Glu Pro Val Leu Cys Ser Arg Pro
50 55 60
Thr Cys Lys Ala Val Leu Asn Pro Leu Cys Gln Val Asp Tyr Arg Ala
65 70 75 80
Lys Leu Trp Ala Cys Asn Phe Cys Phe Gln Arg Asn Gln Phe Pro Pro

85 90 95
Ala Tyr Gly Gly Ile Ser Glu Val Asn Gln Pro Ala Glu Leu Met Pro
100 105 110

<210> 6022
<211> 264
<212> PRT
<213> Homo sapiens

<400> 6022
Met Thr Val Gly Lys Ser Ser Lys Met Leu Gln His Ile Asp Tyr Arg
1 5 10 15
Met Arg Cys Ile Leu Gln Asp Gly Arg Ile Phe Ile Gly Thr Phe Lys
20 25 30
Ala Phe Asp Lys His Met Asn Leu Ile Leu Cys Asp Cys Asp Glu Phe
35 40 45
Arg Lys Ile Lys Pro Lys Asn Ser Lys Gln Ala Glu Arg Glu Glu Lys
50 55 60
Arg Val Leu Gly Leu Val Leu Leu Arg Gly Gly Phe Ile Thr Asp His
65 70 75 80
Gln Arg Asn Ala Ser Gln Asn His
85

<210> 6023
<211> 183
<212> PRT
<213> Homo sapiens

<400> 6023
Met Val Met Glu Lys Pro Ser Pro Leu Leu Val Gly Arg Glu Phe Val
1 5 10 15
Arg Gln Tyr Tyr Thr Leu Leu Asn Gln Ala Pro Asp Met Leu His Arg
20 25 30
Phe Tyr Gly Lys Asn Ser Ser Tyr Val His Gly Gly Leu Asp Ser Asn
35 40 45
Gly Lys Pro Ala Asp Ala Val Tyr Gly Gln Lys Glu Ile
50 55 60

<210> 6024
<211> 156
<212> PRT
<213> Homo sapiens

<400> 6024
Met Val Met Glu Lys Pro Ser Pro Leu Leu Val Gly Arg Glu Phe Val
1 5 10 15
Arg Gln Tyr Tyr Thr Leu Leu Asn Gln Ala Pro Asp Met Leu His Arg
20 25 30
Phe Tyr Gly Lys Asn Ser Ser Tyr Val His Gly Gly Leu Asp Ser Asn
35 40 45
Gly Lys Pro Ala
50

<210> 6025

<211> 369
 <212> PRT
 <213> Homo sapiens

<400> 6025

Met	Ala	Glu	Ala	Ser	Phe	Gly	Ser	Ser	Ser	Pro	Val	Gly	Ser	Leu	Ser
1				5					10					15	
Ser	Glu	Asp	His	Asp	Phe	Asp	Pro	Thr	Ala	Glu	Met	Leu	Val	His	Asp
			20					25					30		
Tyr	Asp	Asp	Glu	Arg	Thr	Leu	Glu	Glu	Glu	Glu	Met	Met	Asp	Glu	Gly
			35				40					45			
Lys	Asn	Phe	Ser	Ser	Glu	Ile	Glu	Asp	Leu	Glu	Lys	Glu	Gly	Thr	Met
			50			55					60				
Pro	Leu	Glu	Asp	Leu	Leu	Ala	Phe	Tyr	Gly	Tyr	Glu	Pro	Thr	Ile	Pro
65					70				75					80	
Ala	Val	Ala	Asn	Ser	Ser	Ala	Asn	Ser	Ser	Pro	Ser	Glu	Leu	Ala	Asp
				85				90					95		
Glu	Leu	Pro	Asp	Met	Thr	Leu	Asp	Lys	Glu	Glu	Ile	Ala	Lys	Asp	Leu
			100					105					110		
Leu	Ser	Gly	Asp	Asp	Glu	Glu	Thr	Gln	Ser	Ser					
			115				120								

<210> 6026
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 6026

Met	Gly	Leu	Phe	Gly	Lys	Thr	Gln	Glu	Lys	Pro	Pro	Lys	Glu	Leu	Val
1				5					10					15	
Asn	Glu	Trp	Ser	Leu	Lys	Ile	Arg	Lys	Glu	Met	Arg	Val	Val	Asp	Arg
			20					25					30		
Gln	Ile	Arg	Asp	Ile	Gln	Arg	Glu	Glu	Lys	Val	Lys	Xaa	Ser	Val	
			35				40					45			
Lys	Asp	Ala	Ala	Lys	Lys	Gly	Gln	Lys	Asp	Val	Cys	Ile	Val	Leu	Ala
			50			55					60				
Lys	Glu	Met	Ile	Arg	Ser	Arg	Lys	Ala	Val	Ser	Lys	Leu	Tyr	Ala	Ser
65				70				75						80	
Lys	Ala	His	Met	Asn	Ser	Val	Leu	Met	Gly	Met	Lys	Asn	Gln	Leu	Ala
				85				90					95		
Val	Leu	Arg	Val	Ala	Gly	Ser	Leu	Gln	Lys	Ser	Thr	Glu	Val	Met	Lys
			100					105					110		
Ala	Met	Gln	Ser	Leu	Val	Lys	Ile	Pro	Glu	Ile	Gln				
			115				120								

<210> 6027
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 6027

Met	Gly	Ser	Lys	Ala	Lys	Lys	Arg	Val	Leu	Leu	Pro	Thr	Arg	Pro	Ala
1				5					10					15	
Pro	Pro	Thr	Val	Glu	Gln	Ile	Leu	Glu	Asp	Val	Arg	Gly	Ala	Pro	Ala

20 25 30
 Glu Asp Pro Val Phe Thr Ile Leu Ala Pro Glu Asp Pro Pro Val Pro
 35 40 45
 Phe Arg Met Met Glu Asp Ala Glu Ala Pro Gly Glu Gln Leu Tyr Gln
 50 55 60
 Gln Ser Arg Ala Tyr Val Ala Ala Asn Gln Arg Leu Gln Gln Ala Gly
 65 70 75 80
 Asn Val Leu Arg Gln Xaa Cys Glu Leu Leu Gln Arg
 85 90

<210> 6028
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 6028
 Met Gly Ser Lys Ala Lys Lys Arg Val Leu Leu Pro Thr Arg Pro Xaa
 1 5 10 15
 Pro Pro Thr Val Glu Gln Ile Leu Glu Asp Val Arg Gly Ala Pro Ala
 20 25 30
 Xaa Xaa Pro Val Phe Thr Ile Leu Ala Pro Glu Gly Arg Gly Ser Pro
 35 40 45
 Val Pro Gly Lys Ser Gly Pro Xaa Thr Pro Ala Ala Arg Gly Arg Glu
 50 55 60
 Arg Ser Thr Pro Leu Thr Pro Asp Pro Thr Pro Trp Glu Pro Pro Gln
 65 70 75 80
 His Gly His Gly Pro Tyr Pro Leu Arg Val Ser Leu Tyr Ser Ser Val
 85 90 95
 Glu Trp Asp Arg Phe Ser Glu Gly Ser Ser Asp Arg Gly Xaa Gly Arg
 100 105 110
 Ala Leu Trp Phe Arg Pro Val Ser Pro
 115 120

<210> 6029
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 6029
 Met Gly Ser Lys Ala Lys Lys Arg Val Leu Leu Pro Thr Arg Pro Ala
 1 5 10 15
 Pro Pro Thr Val Glu Gln Xaa Pro Gly Gly Cys Ala Gly Cys Ala Gly
 20 25 30
 Arg Gly Ser Ser Val His His Pro Gly Pro Gly Arg Leu Glu Cys Ser
 35 40 45
 Gly Glu Ile Ser Thr His Cys Arg Leu Arg Leu Pro Ser Ser Ser Asp
 50 55 60
 Ser Pro Ala Ser Ala Ser Gly Val Ala Gly Thr Thr Asp Thr Arg His
 65 70 75 80

<210> 6030
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 6030

Met Ala Ala Ile Arg Lys Lys Leu Val Ile Val Gly Asp Gly Ala Cys
1 5 10 15
Gly Lys Thr Cys Leu Leu Ile Val Phe Ser Lys Asp Gln Phe Pro Glu
20 25 30
Ser Thr Ser Leu Leu Ser Leu Arg Thr Ile Leu Arg Thr Leu Arg Trp
35 40 45
Thr Ala Ser Arg Trp Ser Trp Leu Cys Gly Thr Gln Gln Gly Arg Lys
50 55 60
Thr Met Ile Asp Cys Gly Leu Ser Pro Thr Arg Thr Leu Met Ser Ser
65 70 75 80
Ser Cys Ala Ser Pro Ser
85

<210> 6031

<211> 258

<212> PRT

<213> Homo sapiens

<400> 6031

Met Ala Ala Ile Arg Lys Lys Leu Val Ile Val Gly Asp Gly Xaa Cys
1 5 10 15
Gly Lys Thr Cys Leu Leu Ile Val Phe Ser Xaa Asp Gln Phe Pro Glu
20 25 30
Val Tyr Val Pro Thr Val Phe Glu Asn Tyr Xaa Ala Asp Ile Glu Val
35 40 45
Asp Gly Lys Gln Val Glu Leu Ala Leu Trp Asp Thr Ala Gly Gln Glu
50 55 60
Asp Tyr Asp Arg Leu Arg Pro Leu Ser Tyr Pro Asp Thr Asp Val Ile
65 70 75 80
Leu Met Cys Phe Ser Ile
85

<210> 6032

<211> 207

<212> PRT

<213> Homo sapiens

<400> 6032

Met Ala Ala Ile Arg Lys Lys Leu Val Ile Val Gly Asp Gly Ala Cys
1 5 10 15
Gly Lys Thr Cys Leu Leu Ile Val Phe Ser Lys Asp Gln Phe Pro Glu
20 25 30
Val Tyr Val Pro Thr Val Phe Glu Asn Tyr Ile Ala Asp Ile Glu Val
35 40 45
Asp Gly Lys Gln Val Glu Leu Ala Leu Trp Asp Thr Ala Gly Gln Glu
50 55 60
Asp Tyr Asp Arg Pro
65

<210> 6033

<211> 258

<212> PRT

<213> Homo sapiens

<400> 6033

Met Ala Val Thr Lys Glu Leu Leu Gln Met Asp Leu Tyr Ala Leu Leu
1 5 10 15
Gly Ile Glu Glu Lys Ala Ala Asp Lys Glu Val Lys Lys Ala Tyr Arg
20 25 30
Gln Lys Ala Leu Ser Cys His Pro Asp Lys Asn Pro Asp Asn Pro Arg
35 40 45
Ala Ala Glu Leu Phe His Gln Leu Ser Gln Ala Leu Glu Val Leu Thr
50 55 60
Asp Ala Ala Ala Arg Ala Ala Tyr Asp Lys Val Arg Xaa Ala Lys Lys
65 70 75 80
Gln Ala Ala Glu Arg Thr
85

<210> 6034

<211> 189

<212> PRT

<213> Homo sapiens

<400> 6034

Met Arg Ser Met Ala Ser Gly Gly Gly Val Pro Thr Asp Glu Glu Gln
1 5 10 15
Ala Thr Gly Leu Glu Arg Glu Ile Met Leu Ala Ala Lys Lys Gly Leu
20 25 30
Asp Pro Tyr Asn Val Leu Ala Pro Lys Gly Ala Ser Gly Thr Arg Glu
35 40 45
Asp Pro Asn Leu Val Pro Ser Ile Ser Asn Lys Arg Ile Val Gly
50 55 60

<210> 6035

<211> 177

<212> PRT

<213> Homo sapiens

<400> 6035

Met Asn Asp Ile Ser Gln Lys Ala Glu Ile Lys Glu Met Leu Ala Ser
1 5 10 15
Asp Asp Glu Glu Asp Val Ser Ser Lys Val Glu Lys Ala Tyr Val Pro
20 25 30
Lys Leu Thr Gly Thr Val Lys Gly Arg Phe Ala Glu Met Glu Lys Gln
35 40 45
Arg Gln Glu Glu Gln Arg Lys Arg Thr Glu Glu
50 55

<210> 6036

<211> 462

<212> PRT

<213> Homo sapiens

<400> 6036

Met Ala Phe Trp Cys Gln Arg Asp Ser Tyr Ala Arg Glu Phe Thr Thr
1 5 10 15

Thr Val Val Ser Cys Cys Pro Ala Glu Leu Gln Thr Glu Gly Ser Asn
 20 25 30
 Gly Lys Lys Glu Val Leu Ser Gly Phe Gln Val Val Leu Glu Asp Thr
 35 40 45
 Val Leu Phe Pro Glu Gly Gly Gly Gln Pro Asp Asp Arg Gly Thr Ile
 50 55 60
 Asn Asp Ile Ser Val Leu Arg Val Thr Arg Arg Gly Glu Gln Ala Asp
 65 70 75 80
 His Phe Thr Gln Thr Pro Leu Asp Pro Gly Ser Gln Val Leu Val Arg
 85 90 95
 Val Asp Trp Glu Arg Arg Phe Asp His Met Gln Gln His Ser Gly Gln
 100 105 110
 His Leu Ile Thr Ala Val Ala Asp His Leu Phe Lys Leu Lys Thr Thr
 115 120 125
 Ser Trp Glu Leu Gly Arg Phe Arg Ser Ala Ile Glu Leu Asp Xaa Pro
 130 135 140
 Ser Met Thr Ala Glu Gln Val Ala Ala Ile
 145 150

<210> 6037
 <211> 675
 <212> PRT
 <213> Homo sapiens

<400> 6037
 Met Ala Gly Val Glu Glu Val Ala Ala Ser Gly Ser His Leu Asn Gly
 1 5 10 15
 Asp Leu Asp Pro Asp Asp Arg Glu Glu Gly Ala Ala Ser Thr Ala Glu
 20 25 30
 Glu Ala Ala Lys Lys Lys Arg Arg Lys Lys Lys Lys Ser Lys Gly Pro
 35 40 45
 Ser Ala Ala Gly Glu Gln Glu Pro Asp Lys Glu Ser Gly Ala Ser Val
 50 55 60
 Asp Glu Val Ala Arg Gln Leu Glu Arg Ser Ala Leu Glu Asp Lys Glu
 65 70 75 80
 Arg Asp Glu Asp Asp Glu Asp Gly Asp Gly Asp Gly Asp Gly Ala Thr
 85 90 95
 Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys Arg Gly Pro Lys Val Gln
 100 105 110
 Thr Asp Pro Pro Ser Val Pro Ile Cys Asp Leu Tyr Pro Asn Gly Val
 115 120 125
 Phe Pro Lys Gly Gln Glu Cys Glu Tyr Pro Pro Thr Gln Asp Gly Arg
 130 135 140
 Thr Ala Ala Trp Arg Thr Thr Ser Glu Glu Lys Lys Ala Leu Asp Gln
 145 150 155 160
 Ala Ser Glu Glu Ile Trp Asn Asp Phe Arg Glu Ala Ala Glu Ala His
 165 170 175
 Arg Gln Val Arg Lys Tyr Val Met Ser Trp Ile Lys Pro Gly Met Thr
 180 185 190
 Met Ile Glu Ile Cys Glu Lys Leu Glu Asp Xaa Ser Arg Lys Leu Ile
 195 200 205
 Lys Glu Asn Gly Leu Asn Ala Gly Leu Ala Phe Pro Thr Gly Cys Ser
 210 215 220
 Leu

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225

<210> 6038

<211> 159

<212> PRT

<213> Homo sapiens

<400> 6038

Met Thr Leu Asp Met Asp Ala Val Leu Ser Asp Phe Val Arg Ser Thr
1 5 10 15
Gly Ala Glu Pro Gly Leu Ala Arg Asp Leu Leu Glu Gly Lys Asn Trp
20 25 30
Asp Val Asn Ala Ala Leu Ser Asp Phe Glu Gln Leu Xaa Gln Val His
35 40 45
Ala Gly Asn Leu Pro
50

<210> 6039

<211> 264

<212> PRT

<213> Homo sapiens

<400> 6039

Met Xaa Pro Arg Lys Arg Tyr Gly Ser Lys Asn Thr Asp Gln Gly Val
1 5 10 15
Tyr Leu Gly Leu Ser Lys Thr Gln Val Leu Ser Pro Ala Thr Ala Gly
20 25 30
Ser Ser Ser Ser Asp Ile Ala Pro Leu Pro Pro Val Thr Leu Val
35 40 45
Pro Pro Pro Pro Asp Thr Met Ser Cys Arg Asp Arg Thr Gln Glu Phe
50 55 60
Leu Ser Ala Cys Lys Ser Leu Gln Thr Arg Gln Asn Gly Ile Gln Thr
65 70 75 80
Asn Lys Pro Ala Leu Arg Ala Ala
85

<210> 6040

<211> 330

<212> PRT

<213> Homo sapiens

<400> 6040

Met Ser Thr Leu Cys Pro Pro Pro Ser Pro Ala Val Ala Lys Thr Glu
1 5 10 15
Ile Ala Leu Ser Gly Lys Ser Pro Leu Leu Ala Ala Thr Phe Ala Tyr
20 25 30
Trp Asp Asn Ile Leu Gly Pro Arg Val Arg His Ile Trp Ala Pro Lys
35 40 45
Thr Glu Gln Val Leu Leu Ser Asp Gly Glu Ile Thr Phe Leu Ala Asn
50 55 60
His Thr Leu Asn Gly Glu Ile Leu Arg Asn Ala Glu Ser Gly Ala Ile
65 70 75 80
Asp Val Lys Phe Phe Val Leu Ser Glu Lys Gly Val Ile Ile Val Ser
85 90 95

Leu Ile Phe Asp Gly Asn Trp Asn Gly Asp Xaa Ser Thr Tyr
 100 105 110

<210> 6041

<211> 321

<212> PRT

<213> Homo sapiens

<400> 6041

Met Val Asn Leu Gly Leu Ser Arg Val Asp Asp Ala Val Ala Ala Lys
 1 5 10 15
 His Pro Gly Leu Gly Glu Tyr Ala Ala Cys Gln Ser His Ala Phe Met
 20 25 30
 Lys Gly Val Phe Thr Phe Val Thr Gly Thr Gly Met Ala Phe Gly Leu
 35 40 45
 Gln Met Phe Ile Gln Arg Lys Leu Thr Gly Leu Leu Leu Tyr Leu Xaa
 50 55 60
 Asp Asn Asn Asn Val His Phe Xaa Xaa Leu Val Leu Gly His Ser Gly
 65 70 75 80
 Lys Gly Glu Trp Gly Pro Glu Gly Ser Leu Pro Xaa Pro Xaa Gly Val
 85 90 95
 Leu Leu Tyr Leu Cys Val Ser Xaa Ala Arg Asp
 100 105

<210> 6042

<211> 384

<212> PRT

<213> Homo sapiens

<400> 6042

Met Ser Trp Trp Asp Tyr Gly Tyr Gln Ile Ala Gly Met Ala Asn Arg
 1 5 10 15
 Thr Thr Leu Val Asp Asn Asn Thr Trp Asn Asn Ser His Ile Ala Leu
 20 25 30
 Val Gly Lys Ala Met Ser Ser Asn Glu Thr Ala Ala Tyr Lys Ile Met
 35 40 45
 Arg Thr Leu Asp Val Asp Tyr Val Leu Val Ile Phe Gly Gly Val Ile
 50 55 60
 Gly Tyr Ser Gly Asp Asp Ile Asn Lys Phe Leu Trp Met Val Arg Ile
 65 70 75 80
 Ala Glu Gly Glu His Pro Lys Asp Ile Arg Glu Ser Asp Tyr Phe Thr
 85 90 95
 Pro Gln Gly Glu Phe Arg Val Asp Lys Ala Gly Ser Pro Thr Leu Leu
 100 105 110
 Asn Cys Leu Met Tyr Lys Met Ser Tyr Tyr Arg Phe Gly Glu Met Gln
 115 120 125

<210> 6043

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6043

Met Gly Glu Thr Glu Gly Lys Lys Asp Glu Ala Asp Tyr Lys Arg Leu

1 5 10 15
 Gln Thr Phe Pro Leu Val Arg His Ser Asp Met Pro Glu Glu Met Arg
 20 25 30
 Val Glu Thr Met Glu Leu Cys Val Thr Ala Cys Glu Lys Phe Ser Asn
 35 40 45
 Asn Asn Glu Ser Ala Ala Lys Met Ile Lys Glu Thr Ile
 50 55 60

<210> 6044
 <211> 252
 <212> PRT
 <213> Homo sapiens

<400> 6044
 Met Asp Leu Ser Glu Leu Glu Arg Asp Asn Thr Gly Arg Cys Arg Leu
 1 5 10 15
 Ser Ser Pro Val Pro Ala Val Cys Arg Lys Glu Pro Cys Val Leu Gly
 20 25 30
 Val Asp Glu Ala Gly Arg Gly Pro Val Leu Gly Pro Met Val Tyr Ala
 35 40 45
 Ile Cys Tyr Cys Pro Leu Pro Arg Leu Ala Asp Leu Glu Ala Leu Lys
 50 55 60
 Val Ala Asp Ser Lys Thr Leu Leu Glu Ser Glu Arg Glu Arg Leu Phe
 65 70 75 80
 Ala Lys Met Glu

<210> 6045
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 6045
 Met Val Lys Leu Gly Cys Ser Phe Ser Gly Lys Pro Gly Lys Asp Pro
 1 5 10 15
 Gly Asp Xaa Asp Gly Ala Ala Met Asp Ser Val Pro Leu Ile Ser Pro
 20 25 30
 Leu Asp Ile Ser Gln Leu Gln Pro Pro Leu Pro Asp Gln Val Val Ile
 35 40 45
 Lys Thr Gln Thr Glu Tyr Gln Leu Ser Ser Pro Asp Gln Gln Asn Phe
 50 55 60
 Pro Asp Leu Glu Gly Gln Arg Leu Asn Cys Ser Gln Glu Glu Gly Arg
 65 70 75 80
 Arg Xaa Xaa Thr Xaa Thr Pro
 85

<210> 6046
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 6046
 Met Val Lys Leu Gly Cys Ser Phe Ser Gly Lys Pro Gly Lys Asp Pro
 1 5 10 15
 Gly Asp Gln Asp Gly Ala Ala Met Asp Ser Val Pro Leu Ile Ser Pro

20 25 30
 Leu Asp Ile Ser Gln Leu Gln Pro Leu Pro Asp Gln Val Val Ile
 35 40 45
 Lys Thr Gln Thr Glu Tyr Gln Leu Ser Ser Pro Asp Gln Gln Asn Phe
 50 55 60
 Pro Asp Leu Glu Gly Gln Arg Leu Asn Cys Ser His Pro Glu Glu Gly
 65 70 75 80
 Arg Arg Leu Pro Thr Ala Arg Met Ile Ala Phe Ala Met Ala Leu Leu
 85 90 95
 Gly Cys Val Leu Ile Met Tyr Lys Ala Ile Trp Tyr Asp Gln Phe Thr
 100 105 110
 Cys Pro Asp Gly Phe Leu Leu Arg His Lys Ile Cys Thr Pro Leu Thr
 115 120 125
 Leu

<210> 6047
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 6047
 Met Gln Arg Arg Val Lys Glu Gly Tyr Arg Asp Gly Ile Asp Ala Gly
 1 5 10 15
 Lys Ala Val Thr Leu Gln Gln Gly Phe Asn Gln Gly Tyr Lys Lys Gly
 20 25 30
 Ala Glu Val Ile Leu Asn Tyr Gly Arg Leu Arg Gly Thr Leu Ser Ala
 35 40 45
 Leu Leu Ser Trp Cys His Leu His Asn Asn Asn Ser Thr Leu Ile Asn
 50 55 60
 Lys Ile Asn Asn Leu Leu Asp Ala Val Gly Gln Cys Glu Glu Tyr Val
 65 70 75 80
 Leu Lys His Leu Lys Ser Ile Thr Pro Xaa Ser His Val Val Asp Leu
 85 90 95
 Leu Asp Ser Ile Glu Asp Met Asp Leu Cys His
 100 105

<210> 6048
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 6048
 Met Glu Leu Gly Glu Leu Leu Tyr Asn Lys Ser Glu Tyr Ile Glu Thr
 1 5 10 15
 Ala Ser Gly Asn Lys Val Ser Arg Gln Ser Val Leu Cys Gly Ser Gln
 20 25 30
 Asn Ile Val Leu Asn Gly Lys Thr Ile Val Met Asn Asp Cys Ile Ile
 35 40 45
 Arg Gly Asp Leu Ala Asn Val Arg Val Gly Arg His Cys Val Val Lys
 50 55 60
 Ser Arg Ser Val Ile
 65

<210> 6049

<211> 369
 <212> PRT
 <213> Homo sapiens

<400> 6049
 Met Ala Glu Leu Asp Ile Gly Gln His Cys Gln Val Glu His Cys Arg
 1 5 10 15
 Gln Arg Asp Phe Leu Pro Phe Val Cys Asp Asp Cys Ser Gly Ile Phe
 20 25 30
 Cys Leu Glu His Arg Ser Arg Glu Ser His Gly Cys Pro Glu Val Thr
 35 40 45
 Val Ile Asn Glu Arg Leu Lys Thr Asp Gln His Thr Ser Tyr Pro Cys
 50 55 60
 Ser Phe Lys Asp Cys Ala Glu Arg Glu Leu Val Ala Val Ile Cys Pro
 65 70 75 80
 Tyr Cys Glu Lys Asn Phe Cys Leu Arg His Arg His Gln Ser Asp His
 85 90 95
 Glu Cys Glu Lys Leu Glu Ile Pro Ser Ser Asn Gly Cys Thr Gln Lys
 100 105 110
 Leu Val Lys Xaa Ile Ile Asp Ser Lys Thr Gly
 115 120

<210> 6050
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 6050
 Met Ile Ser Gln Phe Phe Ile Leu Ser Ser Lys Gly Asp Xaa Leu Ile
 1 5 10 15
 Tyr Lys Asp Phe Arg Gly Asp Ser Gly Gly Arg Asp Val Xaa Glu Leu
 20 25 30
 Phe Tyr Arg Lys Leu Thr Gly Leu Pro Gly Xaa Glu Ser Pro Val Val
 35 40 45
 Met His His His Gly Arg Xaa Phe
 50 55

<210> 6051
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 6051
 Met Asp Thr Gly Val Ile Glu Gly Gly Leu Asn Val Thr Leu Thr Ile
 1 5 10 15
 Arg Leu Leu Met His Gly Lys Glu Val Gly Ser Ile Ile Gly Lys Lys
 20 25 30
 Gly Glu Ser Val Lys Lys Met Arg Glu Glu Ser Gly Ala Arg Ile Asn
 35 40 45
 Ile Ser Glu Gly Asn Cys Pro Glu Arg Ile Ile Thr Leu Ala Gly Pro
 50 55 60
 Thr Asn Ala Ile Phe Lys Ala Phe Ala Met Ile Ile Asp Lys Leu Glu
 65 70 75 80
 Glu Asp Ile Ser Ser Ser Met Thr Asn Ser Thr Ala

<210> 6052
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6052
 Met Leu Trp Gly Phe Cys Gly Gln Ala Pro Pro Phe Pro Gly His Gly
 1 5 10 15
 Thr Arg Thr Ala Leu Met Ala Thr Ala Arg Arg Gly Ala Phe Val Ser
 20 25 30
 Pro Cys Ala Val Ser Val Phe Ser Thr Thr Ser Leu Pro Cys Pro Leu
 35 40 45
 Gly Tyr Leu Leu Ile Tyr Leu Leu Cys
 50 55

<210> 6053
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 6053
 Met Leu Met Ala Trp Cys Arg Gly Pro Val Leu Leu Cys Leu Arg Gln
 1 5 10 15
 Gly Leu Gly Thr Asn Ser Phe Leu His Gly Leu Gly Gln Glu Pro Phe
 20 25 30
 Glu Gly Ala Arg Xaa Leu Cys Cys Arg Ser Ser Pro Arg Xaa Xaa Arg
 35 40 45
 Asp Gly Glu Arg Glu His Glu Ala Ala Gln Arg Lys Ala Pro Gly Ala
 50 55 60
 Xaa Ser Cys Pro Ser Leu Pro Leu Ser Ile Ser Xaa Ile Gly Thr Gly
 65 70 75 80
 Cys Leu Ser Ser Leu Glu Asn Leu Arg Leu Pro Xaa Xaa Arg Glu Glu
 85 90 95
 Ser Ser Pro Arg Glu Leu Glu Asp Ser Xaa Gly Asp Gln Gly Arg Cys
 100 105 110
 Gly Pro Thr Xaa Gln Gly Ser
 115

<210> 6054
 <211> 414
 <212> PRT
 <213> Homo sapiens

<400> 6054
 Met Ala Ala Val Ser Gly Leu Val Arg Arg Pro Leu Arg Glu Val Ser
 1 5 10 15
 Gly Leu Leu Lys Arg Arg Phe His Trp Thr Ala Pro Ala Ala Leu Gln
 20 25 30
 Val Thr Val Arg Asp Ala Ile Asn Gln Gly Met Asp Glu Glu Leu Glu
 35 40 45
 Arg Asp Glu Lys Val Phe Leu Leu Gly Glu Glu Val Ala Gln Tyr Asp
 50 55 60

Gly Ala Tyr Lys Val Ser Arg Gly Leu Trp Lys Lys Tyr Gly Asp Lys
 65 70 75 80
 Arg Ile Ile Asp Thr Pro Ile Ser Glu Met Gly Phe Ala Gly Ile Ala
 85 90 95
 Val Gly Ala Ala Met Ala Gly Leu Arg Pro Ile Cys Glu Phe Met Thr
 100 105 110
 Phe Asn Phe Ser Met Gln Ala Ile Asp Gln Val Ile Asn Ser Ala Ala
 115 120 125
 Lys Thr Tyr Tyr Met Ser Gly Gly Phe Ser
 130 135

<210> 6055
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 6055
 Met Glu Thr Ile Leu Glu Gln Gln Arg Arg Tyr His Glu Glu Lys Glu
 1 5 10 15
 Arg Leu Met Asp Val Met Ala Lys Glu Met Leu Thr Lys Lys Ser Thr
 20 25 30
 Leu Arg Asp Gln Ile Asn Ser Asp His Arg Thr Arg Ala Met Gln Asp
 35 40 45
 Arg Tyr Met Glu Val Ser Gly Asn Leu Arg Asp Leu Tyr Asp Asp Lys
 50 55 60
 Asp Gly Leu Arg Lys Glu Glu Leu Asn
 65 70

<210> 6056
 <211> 534
 <212> PRT
 <213> Homo sapiens

<400> 6056
 Met Met Arg Arg Tyr Gln Asp Ala Ile Arg Val Phe Ala Asn Ile Leu
 1 5 10 15
 Leu Tyr Ile Gln Arg Thr Lys Ser Met Phe Gln Arg Thr Thr Tyr Lys
 20 25 30
 Tyr Glu Met Ile Asn Lys Gln Asn Glu Gln Met His Ala Leu Leu Ala
 35 40 45
 Ile Ala Leu Thr Met Tyr Pro Met Arg Ile Asp Glu Ser Ile His Leu
 50 55 60
 Gln Leu Arg Glu Lys Tyr Gly Asp Lys Met Leu Arg Met Gln Lys Gly
 65 70 75 80
 Asp Pro Gln Val Tyr Glu Glu Leu Phe Ser Tyr Ser Cys Pro Lys Phe
 85 90 95
 Leu Ser Pro Val Val Pro Asn Tyr Asp Asn Val His Pro Asn Tyr His
 100 105 110
 Lys Glu Pro Phe Leu Gln Gln Leu Lys Val Phe Ser Asp Glu Val Gln
 115 120 125
 Gln Gln Ala Gln Leu Ser Thr Ile Arg Ser Phe Leu Lys Leu Tyr Thr
 130 135 140
 Thr Met Pro Val Ala Lys Leu Ala Gly Phe Leu Asp Leu Thr Glu Gln
 145 150 155 160

Glu Phe Arg Ile Gln Leu Leu Val Val Lys His Lys Met Lys Xaa Leu
 165 170 175
 Val Trp

<210> 6057
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6057
 Met Glu Glu Ala Glu Leu Val Lys Gly Arg Leu Gln Ala Ile Thr Asp
 1 5 10 15
 Lys Arg Lys Ile Gln Glu Glu Ile Ser Gln Lys Arg Leu Lys Ile Glu
 20 25 30
 Glu Asp Lys Leu Lys His Gln His Leu Lys Lys Lys Ala Leu Arg Glu
 35 40 45
 Lys Trp Leu Leu Asp Gly Ile Ser Ser
 50 55

<210> 6058
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6058
 Met Glu Glu Ala Glu Leu Val Lys Gly Arg Leu Gln Ala Ile Thr Asp
 1 5 10 15
 Lys Arg Lys Ile Gln Glu Glu Ile Ser Gln Lys Arg Leu Lys Ile Glu
 20 25 30
 Glu Asp Lys Leu Lys His Gln His Leu Lys Lys Lys Ala Leu Arg Glu
 35 40 45
 Lys Trp Leu Leu Asp Gly Ile Ser Ser
 50 55

<210> 6059
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 6059
 Met Ser Pro Lys Pro Arg Ala Ser Gly Pro Pro Ala Lys Ala Thr Glu
 1 5 10 15
 Ala Gly Lys Arg Lys Ser Ser Ser Gln Pro Ser Pro Ser Asp Pro Lys
 20 25 30
 Lys Lys Thr Thr Lys Val Ala Lys Lys Gly Lys Ala Val Arg Arg Gly
 35 40 45
 Arg Arg Gly Lys Lys Gly Ala Ala Thr Lys Met Ala
 50 55 60

<210> 6060
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 6060

Met Asp Phe Asp Glu Arg Gly Pro Cys Ser Ser Asn Met Tyr Leu Pro
 1 5 10 15
 Ser Cys Thr Tyr Tyr Val Ser Gly Pro Asp Phe Ser Ser Leu Pro Ser
 20 25 30
 Phe Leu Xaa Gln Thr Pro Ser Ser Arg Pro Met Thr Tyr Ser Tyr Ser
 35 40 45
 Ser Asn Leu
 50

<210> 6061

<211> 255

<212> PRT

<213> Homo sapiens

<400> 6061

Met Ser Pro Gln Ala Arg Glu Asp Gln Leu Gln Arg Lys Ala Val Val
 1 5 10 15
 Leu Glu Tyr Phe Thr Arg His Lys Arg Lys Glu Lys Lys Lys Lys Ala
 20 25 30
 Lys Gly Leu Ser Ala Arg Gln Arg Arg Glu Leu Arg Leu Phe Asp Ile
 35 40 45
 Lys Pro Glu Gln Gln Arg Tyr Ser Leu Phe Leu Pro Leu His Glu Xaa
 50 55 60
 Trp Xaa Gln Tyr Ile Arg Xaa Cys Ala Val Gly Ser Ser Arg His Ala
 65 70 75 80
 Ala Thr Asp Asp Ser
 85

<210> 6062

<211> 288

<212> PRT

<213> Homo sapiens

<400> 6062

Met Glu Glu Arg Ala Phe Val Asn Pro Phe Pro Asp Tyr Glu Ala Ala
 1 5 10 15
 Ala Gly Ala Leu Leu Ala Ser Gly Ala Ala Glu Glu Thr Gly Cys Val
 20 25 30
 Arg Pro Pro Ala Thr Thr Asp Glu Pro Gly Leu Pro Phe His Gln Asp
 35 40 45
 Gly Lys Ile Ile His Asn Phe Ile Arg Arg Ile Gln Thr Lys Ile Lys
 50 55 60
 Asp Leu Leu Gln Gln Met Glu Glu Gly Leu Lys Thr Ala Asp Pro His
 65 70 75 80
 Asp Cys Ser Ala Tyr Thr Gly Trp Thr Gly Ile Ala Phe Cys Thr Cys
 85 90 95

<210> 6063

<211> 441

<212> PRT

<213> Homo sapiens

<400> 6063

<210> 6066
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 6066
 Met Glu Ala Arg Asp Lys Gln Val Leu Arg Ser Leu Arg Leu Glu Leu
 1 5 10 15
 Gly Ala Glu Val Leu Val Glu Gly Leu Val Leu Gln Tyr Leu Tyr Gln
 20 25 30
 Glu Gly Ile Leu Thr Glu Asn His Ile Gln Glu Ile Asn Ala Gln Thr
 35 40 45
 Thr Gly Leu Arg Lys Thr Met Leu Leu Leu Asp Ile Leu Pro Ser Arg
 50 55 60
 Gly Pro Lys Ala Phe Asp Xaa Ile Pro Arg Phe Pro Thr Gly Val Ser
 65 70 75 80
 Leu Gly Gln Gly Glu Ala
 85

<210> 6067
 <211> 438
 <212> PRT
 <213> Homo sapiens

<400> 6067
 Met Ala Lys Val Ser Glu Leu Tyr Asp Val Thr Trp Glu Glu Met Arg
 1 5 10 15
 Asp Lys Met Arg Lys Trp Arg Glu Glu Asn Ser Arg Asn Ser Glu Gln
 20 25 30
 Ile Val Glu Val Gly Glu Glu Leu Ile Asn Glu Tyr Ala Ser Lys Leu
 35 40 45
 Gly Asp Asp Ile Trp Ile Ile Tyr Glu Gln Val Met Ile Ala Ala Leu
 50 55 60
 Asp Tyr Gly Arg Asp Asp Leu Ala Leu Phe Cys Leu Gln Glu Leu Arg
 65 70 75 80
 Arg Gln Phe Pro Gly Ser His Arg Val Lys Arg Leu Thr Gly Met Arg
 85 90 95
 Phe Glu Ala Met Glu Arg Tyr Asp Asp Ala Ile Gln Leu Tyr Asp Arg
 100 105 110
 Ile Leu Gln Glu Asp Pro Thr Asn Thr Ala Ala Arg Lys Arg Lys Ile
 115 120 125
 Ala Ile Arg Lys Ala Gln Gly Lys Asn Val Glu Ala Ile Arg Glu Leu
 130 135 140
 Asn Glu
 145

<210> 6068
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 6068
 Met Met Lys Glu Asn Phe Pro Asn Phe Leu Ser Ala Cys Asp Lys Lys

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1	5	10	15
Gly Thr Asn Tyr Leu Ala Asp Val Phe Glu Lys Lys Asp Lys Asn Glu			
20	25	30	
Asp Lys Lys Ile Asp Phe Ser Glu Phe Leu Xaa Leu Leu Gly Asp Ile			
35	40	45	
Ala Thr Xaa Tyr His Xaa Ser Arg			
50	55		

<210> 6069
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 6069
Met Asp Ser Thr Lys Glu Lys Cys Asp Ser Tyr Lys Asp Asp Leu Leu
1 5 10 15
Leu Arg Met Gly Leu Asn Asp Asn Lys Ala Gly Met Glu Gly Leu Asp
20 25 30
Lys Glu Lys Ile Asn Lys Ile Ile Met Glu Ala Thr Lys Gly Ser Arg
35 40 45
Phe Tyr Gly Asn Glu Leu Lys Lys Glu Lys Gln Val Asn Gln Arg Ile
50 55 60
Glu Asn Met Met Gln Gln Lys Ala Gln Ile Thr Ser Gln Gln Leu Arg
65 70 75 80
Lys Ala Gln Leu Gln Val Asp Arg Phe Ala Met Glu Leu Glu Gln Ser
85 90 95
Arg Asn Leu Ser Asn Thr Ile Val His Ile Asp Met Asp Ala Phe Tyr
100 105 110
Ala Ala Val Glu Met
115

<210> 6070
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 6070
Met Ala Asp Tyr Ser Thr Val Pro Pro Pro Ser Ser Gly Ser Ala Gly
1 5 10 15
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Val Asn Asp Ala Phe Lys
20 25 30
Asp Ala Leu Gln Arg Ala Arg Gln Ile Ala Ala Lys Ile Gly Gly Asp
35 40 45
Ala Gly Thr Ser Leu Asn Ser Asn Asp Tyr Gly Tyr Gly Gly Gln Lys
50 55 60
Arg Pro Leu Glu Asp Gly Asp Gln Pro Asp Ala Lys Lys Val Ala Pro
65 70 75 80
Gln Asn Asp Ser Phe Gly Thr Gln Leu Pro Pro Met His Gln Gln Gln
85 90 95
Arg Ser Val Met Thr Glu Glu Tyr Lys Val Pro Asp Gly Met
100 105 110

<210> 6071
 <211> 213

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<212> PRT
 <213> Homo sapiens

<400> 6071
 Met Gly Cys Asp Gly Gly Thr Ile Pro Lys Arg His Glu Leu Val Lys
 1 5 10 15
 Gly Pro Lys Lys Val Glu Lys Val Asp Lys Asp Ala Glu Leu Val Ala
 20 25 30
 Gln Trp Asn Tyr Cys Thr Leu Ser Gln Glu Ile Leu Arg Arg Pro Ile
 35 40 45
 Val Ala Cys Glu Leu Gly Arg Leu Tyr Asn Lys Asp Ala Val Ile Glu
 50 55 60
 Phe Leu Leu Asp Lys Ser Ala
 65 70

<210> 6072
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 6072
 Met Asp Val His Asp Leu Phe Arg Arg Leu Gly Xaa Gly Ala Lys Phe
 1 5 10 15
 Asp Thr Arg Arg Phe Ser Ala Asp Ala Arg Phe Gln Ile Gly Lys
 20 25 30
 Arg Lys Tyr Asp Phe Asp Ser Ser Glu Val Xaa Gln Gly Leu Asp Phe
 35 40 45
 Phe Gly Asn Lys Lys Ser Val Pro Gly Val Cys Gly Ala Ser Gln Thr
 50 55 60
 Xaa Ser Glu Ala Pro Lys Gly Glu Lys Lys Glu Glu Ser Leu Thr Xaa
 65 70 75 80
 Lys Glu Glu Gly Ala Glu Gln Glu Lys Lys Glu Asp Asp Asp Xaa Arg
 85 90 95
 Lys Leu Leu Pro Lys Lys Lys Val Leu Leu
 100 105

<210> 6073
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 6073
 Met Thr Glu Ser Ala Ser Ser Thr Ser Gly Gln Glu Phe Asp Val Phe
 1 5 10 15
 Ser Val Met Asp Trp Lys Asp Gly Val Gly Thr Leu Pro Gly Ser Asp
 20 25 30
 Leu Lys Phe Arg Val Asn Glu Phe Gly Ala Leu Glu Val Ile Thr Asp
 35 40 45
 Glu Asn Glu Met Glu Asn Val Lys Lys Ala
 50 55

<210> 6074
 <211> 279
 <212> PRT

<213> Homo sapiens

<400> 6074

Met Ala Val Gln Phe Asp Gly Gly Val Val Leu Gly Ala Asp Ser Arg
1 5 10 15
Thr Thr Thr Gly Ser Tyr Ile Ala Asn Arg Val Thr Asp Lys Leu Thr
20 25 30
Pro Ile His Asp Arg Ile Phe Cys Cys Arg Ser Gly Ser Ala Ala Asp
35 40 45
Thr Gln Ala Val Ala Asp Ala Val Thr Tyr Gln Leu Gly Phe His Ser
50 55 60
Ile Glu Leu Asn Glu Pro Pro Leu Val His Thr Ala Ala Ser Leu Phe
65 70 75 80
Lys Glu Met Cys Tyr Arg Tyr Arg Glu Asp Leu Met Ala
85 90

<210> 6075

<211> 276

<212> PRT

<213> Homo sapiens

<400> 6075

Met Ala Ala Pro Ile Leu Lys Asp Val Val Ala Tyr Val Glu Val Trp
1 5 10 15
Ser Ser Asn Gly Thr Glu Asn Tyr Ser Lys Thr Phe Thr Thr Gln Leu
20 25 30
Val Asp Met Gly Ala Lys Val Ser Lys Thr Phe Asn Lys Gln Val Thr
35 40 45
His Val Ile Phe Lys Asp Gly Tyr Gln Ser Thr Trp Asp Lys Ala Gln
50 55 60
Lys Arg Gly Val Lys Leu Val Ser Val Leu Trp Val Glu Lys Cys Arg
65 70 75 80
Thr Ala Gly Ala His Ile Asp Glu Ser Leu Phe Pro
85 90

<210> 6076

<211> 297

<212> PRT

<213> Homo sapiens

<400> 6076

Met Leu Asp Ser Cys Lys Leu Lys Ser Ala Cys Asn Leu Pro Phe Ile
1 5 10 15
Cys Asn Lys Lys Ile Ile Asn Thr Ala Gly Thr Ser Asn Ala Glu Val
20 25 30
Pro Leu Ala Asp Pro Gly Met Tyr Gln Leu Asp Ile Thr Leu Arg Arg
35 40 45
Gly Gln Ser Leu Ala Ala Arg Asp Arg Gly Gly Thr Ser Asp Pro Tyr
50 55 60
Val Lys Phe Lys Ile Gly Gly Lys Glu Val Phe Arg Ser Lys Ile Ile
65 70 75 80
His Lys Asn Leu Asn Pro Val Trp Glu Glu Lys Ala Cys Ile Leu Val
85 90 95
Asp His Leu

<210> 6077
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 6077
 Met Glu Val Ser Cys Gly Gln Ala Glu Ser Ser Glu Lys Pro Asn Ala
 1 5 10 15
 Glu Asp Met Thr Ser Lys Asp Tyr Tyr Phe Asp Ser Tyr Ala His Phe
 20 25 30
 Gly Ile His Glu Glu Met Leu Lys Asp Glu Val Arg Thr Leu Thr Tyr
 35 40 45
 Arg Asn Ser Met Phe His Asn Arg His Leu Phe Lys Asp Lys Val Val
 50 55 60
 Leu Asp Val Gly Ser Gly Thr Gly Ile Leu Cys Met Phe Ala Ala Lys
 65 70 75 80
 Ala Gly Ala Arg Lys Val Ile Gly Ile Glu Cys Ser Ser Ile Ser Asp
 85 90 95
 Tyr

<210> 6078
 <211> 426
 <212> PRT
 <213> Homo sapiens

<400> 6078
 Met Ala Ala Ala Gln Ser Arg Val Val Arg Val Leu Ser Met Ser
 1 5 10 15
 Arg Ser Ala Ile Thr Ala Ile Ala Thr Ser Val Cys His Gly Pro Pro
 20 25 30
 Cys Arg Gln Leu His His Ala Leu Met Pro His Gly Lys Gly Gly Arg
 35 40 45
 Ser Ser Val Ser Gly Ile Val Ala Thr Val Phe Gly Ala Thr Gly Phe
 50 55 60
 Leu Gly Arg Tyr Val Val Asn His Leu Gly Arg Met Gly Ser Gln Val
 65 70 75 80
 Ile Ile Pro Tyr Arg Cys Asp Lys Tyr Asp Ile Met His Leu Arg Pro
 85 90 95
 Met Gly Asp Leu Gly Gln Leu Leu Phe Leu Glu Trp Asp Ala Arg Asp
 100 105 110
 Lys Asp Ser Ile Arg Arg Val Val Gln His Ser Asn Val Val Ile Asn
 115 120 125
 Leu Ile Gly Arg Asp Trp Glu Thr Lys Asn Phe Asp Phe Glu
 130 135 140

<210> 6079
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 6079
 Met Phe Phe Leu Leu His Phe Ile Val Leu Ile Asn Val Lys Asp Phe
 1 5 10 15

Ala Leu Thr Gln Gly Ser Met Ile Thr Pro Ser Cys Gln Lys Gly Tyr
 20 25 30
 Phe Pro Val Xaa Ile Leu Pro Ser Ala Tyr Pro Glu Leu Phe Thr Val
 35 40 45
 Met Ala Arg Met Thr Val Gly Thr
 50 55

<210> 6080
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 6080
 Met Phe Tyr Phe Arg Gly Cys Gly Arg Trp Val Ala Val Ser Phe Thr
 1 5 10 15
 Lys Gln Gln Phe Pro Leu Ala Arg Leu Ser Ser Asp Ser Ala Ala Pro
 20 25 30
 Arg Thr Pro His Phe Asp Val Ile Val Ile Gly Gly Gly His Ala Gly
 35 40 45
 Thr Glu Ala Ala Thr Ala Ala Ala Arg Cys Gly Ser Arg Thr Leu Leu
 50 55 60
 Leu Thr His Arg Val Asp Thr Ile Gly Gln Met Ser Cys Asn Pro Ser
 65 70 75 80
 Phe Gly Gly Ile Gly Lys Gly His Leu Met Arg Glu Val Asp Ala Leu
 85 90 95
 Asp Gly

<210> 6081
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 6081
 Met Glu Phe Asp Leu Gly Ala Ala Leu Glu Pro Thr Ser Gln Lys Pro
 1 5 10 15
 Gly Val Gly Ala Gly His Gly Gly Asp Pro Lys Leu Ser Pro His Lys
 20 25 30
 Val Gln Gly Arg Ser Glu Ala Gly Ala Gly Pro Gly Pro Lys Gln Gly
 35 40 45
 His His Ser Ser Ser Asp Ser Ser
 50 55

<210> 6082
 <211> 282
 <212> PRT
 <213> Homo sapiens

<400> 6082
 Met Met Glu Gly Leu Asp Asp Gly Pro Asp Phe Leu Ser Glu Glu Asp
 1 5 10 15
 Arg Gly Leu Lys Ala Ile Asn Val Asp Leu Gln Ser Asp Ala Ala Leu
 20 25 30
 Gln Val Asp Ile Ser Xaa Ala Leu Ser Glu Arg Asp Lys Val Lys Phe
 35 40 45

Thr Val His Thr Lys Ser Ser Leu Pro Xaa Phe Lys Gln Asn Glu Phe
 50 55 60
 Ser Val Val Arg Gln His Glu Glu Phe Ile Trp Leu His Asp Ser Phe
 65 70 75 80
 Val Glu Asn Glu Asp Tyr Ala Gly Tyr Ile Ile Pro Pro Ala
 85 90

<210> 6083
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 6083
 Met Glu Gly Ser Leu Glu Arg Glu Ala Pro Ala Gly Ala Leu Ala Ala
 1 5 10 15
 Val Leu Lys His Ser Ser Thr Leu Pro Pro Glu Ser Thr Gln Val Arg
 20 25 30
 Gly Tyr Asp Phe Asn Arg Gly Val Asn Tyr Arg Ala Leu Leu Glu Ala
 35 40 45
 Phe Gly Thr Thr Gly Phe Gln Ala Thr Asn Phe Gly Arg Ala Val Gln
 50 55 60
 Gln Val
 65

<210> 6084
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 6084
 Met Ser Gly Gly Pro Met Gly Gly Arg Pro Gly Gly Arg Gly Ala Pro
 1 5 10 15
 Ala Val Gln Gln Asn Ile Pro Ser Thr Leu Leu Gln Asp His Glu Asn
 20 25 30
 Gln Arg Leu Phe Glu Met Leu Gly Arg Lys Cys Leu Thr Leu Ala Thr
 35 40 45
 Ala Val Val Gln Leu Tyr Leu Ala Leu Pro Pro Gly Ala Glu His Trp
 50 55 60
 Thr Lys Glu His Cys Gly Ala Val Cys Phe Val Lys Asp Asn Pro Gln
 65 70 75 80
 Lys Ser Tyr Phe Ile Arg Leu Tyr Gly Leu Gln Ala Gly Arg Leu Leu
 85 90 95
 Trp Glu Gln Glu Leu Tyr Ser Gln Leu Val Tyr Ser Xaa Pro Thr Pro
 100 105 110
 Phe Phe Pro His Leu Arg Trp Arg
 115 120

<210> 6085
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 6085
 Met Val Lys Leu Gly Asn Xaa Phe Ala Glu Lys Gly Thr Lys Gln Xaa

1 5 10 15
 Leu Leu Glu Asp Gly Phe Asp Thr Ile Pro Leu Met Thr Pro Leu Asp
 20 25 30
 Val Asn Gln Leu Gln Phe Pro Pro Pro Asp Lys Val Val Val Lys Thr
 35 40 45
 Lys Thr Glu Xaa Glu Pro Asp Arg Lys Lys Gly Lys Ala Arg Pro Pro
 50 55 60
 Gln Ile Ala Glu Phe Thr Val Ser Ile Thr Glu Xaa Val Thr Glu Arg
 65 70 75 80
 Phe Lys Val Ser Val Leu Val Leu Phe Ala Leu Ala Phe Leu Thr Cys
 85 90 95
 Val Val Phe Leu Ala
 100

<210> 6086
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 6086
 Met Ser Asn Val Asn Leu Ser Val Ser Asp Phe Trp Arg Val Met Met
 1 5 10 15
 Arg Val Cys Trp Leu Val Arg Gln Asp Ser Arg His Gln Arg Ile Arg
 20 25 30
 Leu Pro His Leu Glu Ala Val Val Ile Gly Arg Gly Pro Glu Thr Lys
 35 40 45
 Ile Thr Asp Lys Lys Cys Ser Arg Gln Gln Val Gln Leu Lys Ala Glu
 50 55 60
 Cys Asn Lys Gly Tyr Val Lys Val Lys Gln Val Gly Val Asn Xaa Thr
 65 70 75 80
 Ser Ile Asp Ser Val Val Ile Gly Lys Asp Gln Glu Val Lys Leu Gln
 85 90 95
 Pro Gly Gln Val Leu His Met Val Asn Glu Leu Tyr Pro Tyr Ile Val
 100 105 110
 Glu Phe Glu Glu Glu Ala
 115

<210> 6087
 <211> 282
 <212> PRT
 <213> Homo sapiens

<400> 6087
 Met Arg Lys Val Val Leu Ile Thr Gly Ala Ser Ser Gly Ile Gly Leu
 1 5 10 15
 Ala Leu Cys Lys Arg Leu Leu Ala Glu Asp Asp Glu Leu His Leu Cys
 20 25 30
 Leu Ala Cys Arg Asn Met Ser Lys Ala Glu Ala Val Cys Ala Ala Leu
 35 40 45
 Leu Ala Ser His Pro Thr Ala Glu Val Thr Ile Val Gln Val Asp Val
 50 55 60
 Ser Xaa Leu Gln Xaa Phe Arg Ala Ser Lys Glu Leu Lys Gln Arg
 65 70 75 80
 Met Ile Lys Lys Trp Leu Tyr Val Ile Arg Val Glu Asp His

85

90

<210> 6088
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 6088
 Met Ser Leu Gln Arg Leu Leu Gln His Ser Ser Asn Gly Asn Leu Ala
 1 5 10 15
 Asp Phe Cys Ala Gly Pro Ala Tyr Ser Ser Tyr Ser Thr Leu Thr Gly
 20 25 30
 Ser Leu Thr Met Asp Asp Asn Arg Arg Ile Gln Met Leu Ala Asp Thr
 35 40 45
 Val Ala Thr Leu Pro Arg Gly Arg Lys Gln Leu Ala Leu Thr Arg Ser
 50 55 60
 Ser Ser Leu Ser Asp Phe Ser Trp Ser Gln Arg Lys Leu Val Thr Val
 65 70 75 80
 Glu Lys Gln Asp Asn Glu Thr Phe Gly Phe Glu Ile Gln Ser Tyr Arg
 85 90 95
 Pro Gln Asn Gln Asn Ala Cys Ser Ser Glu Met Phe Thr Leu
 100 105 110

<210> 6089
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 6089
 Met Ser Asp Arg Pro Thr Ala Arg Arg Trp Gly Lys Cys Gly Pro Leu
 1 5 10 15
 Cys Thr Arg Glu Asn Ile Met Val Ala Phe Lys Gly Val Trp Thr Gln
 20 25 30
 Ala Phe Trp Lys Ala Val Thr Ala Glu Phe Leu Ala Met Leu Ile Phe
 35 40 45
 Val Leu Leu Ser Leu Gly Ser Thr Xaa Xaa Trp Gly Gly Thr Glu Lys
 50 55 60
 Pro Leu Pro Val Asp Met Val Leu Ile Ser Xaa Cys Phe Gly Leu Ser
 65 70 75 80
 Ile Ala Thr Met Val Gln Cys Phe Gly His Ile Ser Gly Gly His Ile
 85 90 95
 Asn Pro Ala Val Thr Val Ala Met Val Cys Thr Arg Xaa Ile Ser Ile
 100 105 110
 Ala Lys Ser Val Phe Tyr
 115

<210> 6090
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 6090
 Met Asn Val Thr Pro Glu Val Lys Ser Arg Gly Met Lys Phe Ala Glu
 1 5 10 15

Glu Gln Leu Leu Lys His Gly Trp Thr Gln Gly Lys Gly Leu Gly Arg
 20 25 30
 Lys Glu Asn Gly Ile Thr Gln Ala Leu Arg Val Thr Leu Lys Gln Asp
 35 40 45
 Thr His Gly Val Gly
 50

<210> 6091
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 6091
 Met Met Leu Lys Gly Ile Thr Arg Leu Ile Ser Arg Ile His Lys Leu
 1 5 10 15
 Asp Pro Gly Arg Phe Leu His Met Gly Thr Gln Ala Arg Gln Ser Ile
 20 25 30
 Ala Ala His Leu Asp Asn Gln Val Pro Val Glu Ser Pro Arg Ala Ile
 35 40 45
 Ser Arg Thr Asn Glu Asn Asp Pro Ala Lys His Gly Asp Gln His Glu
 50 55 60
 Gly Gln His Tyr Asn Ile Ser Pro Gln Asp Leu Glu Thr Val Phe Pro
 65 70 75 80
 His Gly Leu Pro Pro Arg Phe Val Met Gln Val Lys Thr Phe Ser Glu
 85 90 95
 Ala Cys Leu Met Val Arg Lys Pro Ala Leu Glu Leu Leu His Tyr Leu
 100 105 110
 Lys Asn Thr Ser Phe Ala Tyr Pro Ala Ile Arg Tyr Leu Leu
 115 120 125

<210> 6092
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 6092
 Met Ala Phe Pro His Leu Gln Gln Pro Ser Phe Leu Leu Ala Ser Leu
 1 5 10 15
 Lys Ala Asp Ser Ile Asn Lys Pro Phe Ala Gln Gln Cys Gln Asp Leu
 20 25 30
 Val Lys Val Ile Glu Asp Phe Pro Ala Lys Glu Leu His Thr Ile Phe
 35 40 45
 Pro Trp Leu Val Glu Ser Ile Phe Gly Ser Leu Asp Gly Val Leu Val
 50 55 60
 Gly Trp Asn Leu Arg Cys Leu Gln Gly Arg Val Asn Pro Val Glu Tyr
 65 70 75 80
 Ser Ile Val Met Glu Phe Leu Asp Pro Gly
 85 90

<210> 6093
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 6093

Met Asp Trp Leu Met Gly Lys Ser Lys Ala Lys Pro Asn Gly Lys Lys
1 5 10 15
Pro Ala Ala Glu Glu Arg Lys Ala Tyr Leu Glu Pro Glu His Thr Lys
20 25 30
Ala Arg Ile Thr Asp Phe Gln Phe Lys Glu Leu Val Val Leu Pro Arg
35 40 45
Glu Ile Asp Leu Asn Glu Trp Leu Ala Ser Asn Asn Asp Val Phe Pro
50 55 60

<210> 6094

<211> 174

<212> PRT

<213> Homo sapiens

<400> 6094

Met Ala Ala Ser Arg Lys Pro Pro Arg Val Arg Val Asn His Gln Asp
1 5 10 15
Phe Gln Leu Arg Asn Leu Arg Ile Ile Glu Pro Asn Glu Val Thr His
20 25 30
Ser Gly Asp Thr Gly Val Glu Thr Asp Gly Arg Met Pro Pro Lys Val
35 40 45
Thr Ser Glu Leu Leu Arg Gln Leu Arg Gln
50 55

<210> 6095

<211> 171

<212> PRT

<213> Homo sapiens

<400> 6095

Met Lys Ser Gln Trp Cys Arg Pro Val Ala Met Asp Leu Gly Val Tyr
1 5 10 15
Gln Leu Xaa His Phe Ser Xaa Ser Phe Leu Ser Ser Leu Leu Gly Thr
20 25 30
Glu Asn Ala Ser Val Arg Leu Asp Asn Ser Ser Ser Gly Ala Ser Val
35 40 45
Val Ala Ile Xaa Asn Lys Ile Glu Gln
50 55

<210> 6096

<211> 381

<212> PRT

<213> Homo sapiens

<400> 6096

Met Glu Ser Met Leu Asn Lys Leu Lys Ser Thr Val Thr Lys Val Thr
1 5 10 15
Ala Asp Val Thr Ser Ala Val Met Gly Asn Pro Val Thr Arg Glu Phe
20 25 30
Asp Val Gly Arg His Ile Ala Ser Gly Gly Asn Gly Leu Ala Trp Lys
35 40 45
Ile Phe Asn Gly Thr Lys Lys Ser Thr Lys Gln Glu Val Ala Val Phe
50 55 60

Val Phe Asp Lys Lys Leu Ile Asp Xaa Tyr Gln Lys Phe Glu Lys Asp
 65 70 75 80
 Gln Ile Ile Asp Ser Leu Lys Arg Gly Val Gln Gln Leu Thr Arg Leu
 85 90 95
 Arg His Pro Arg Leu Leu Thr Val Gln His Pro Leu Glu Glu Ser Arg
 100 105 110
 Asp Cys Leu Ala Phe Cys Thr Glu Pro Val Phe Ala Ser Ile Ala
 115 120 125

<210> 6097
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 6097
 Met Glu Pro Ser Ser Ile Glu Lys Ile Val Glu Ile Asp Ala His Ile
 1 5 10 15
 Gly Cys Ala Met Ser Gly Leu Ile Ala Asp Ala Lys Thr Leu Ile Asp
 20 25 30
 Lys Ala Arg Val Glu Thr Gln Asn His Trp Phe Thr Tyr Asn Glu Thr
 35 40 45
 Xaa Xaa Val Glu Ser Val Thr Lys Leu Cys Pro
 50 55

<210> 6098
 <211> 282
 <212> PRT
 <213> Homo sapiens

<400> 6098
 Met Ala Ala Phe Ala Val Glu Pro Gln Gly Pro Ala Leu Gly Ser Glu
 1 5 10 15
 Pro Met Met Leu Gly Ser Pro Thr Ser Pro Lys Pro Gly Val Asn Ala
 20 25 30
 Gln Phe Leu Pro Gly Phe Leu Met Gly Asp Leu Pro Ala Pro Val Thr
 35 40 45
 Pro Gln Pro Arg Ser Ile Ser Gly Pro Ser Val Gly Val Met Glu Met
 50 55 60
 Arg Ser Pro Leu Leu Ala Gly Gly Ser Pro Pro Gln Pro Val Val Pro
 65 70 75 80
 Ala His Lys Asp Lys Ser Gly Ala Pro Pro Val Arg Ser Ile
 85 90

<210> 6099
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 6099
 Met Xaa Ser Ala Ser Ser Ser Xaa Ala Gly Val Ala Leu Pro Phe Glu
 1 5 10 15
 Lys Ser Gln Leu Thr Leu Lys Val Val Ser Ala Lys Pro Lys Val His
 20 25 30
 Asn Arg Gln Pro Arg Ile Asn Ser Tyr Val Glu Val Ala Val Asp Gly

35 40 45
 Leu Pro Ser Glu Thr Lys Lys Thr Gly Lys Arg Ile Gly Ser Ser Glu
 50 55 60
 Leu Leu Trp Asn Glu Ile Ile Ile Leu Asn Val Thr Ala Gln Ser His
 65 70 75 80
 Leu Asp Leu Lys Val Trp
 85

<210> 6100
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 6100
 Met Asp Phe Gln Glu Arg Asp Pro Pro Phe Leu Pro Glu Ser Ala Gln
 1 5 10 15
 Ser Ser Lys Pro Ser Ser Ala Gln Gln Ala Ser Glu Leu Trp Glu Val
 20 25 30
 Val Glu Glu Pro Arg Val Arg Leu Gly Thr Glu Gly Val Met Pro Glu
 35 40 45
 Arg Gln Glu Gly His Leu Leu Lys Lys Arg Lys Trp Pro Leu Lys Gly
 50 55 60
 Trp His Lys Arg Tyr Phe Val Leu Glu Asp Gly Ile Leu His Tyr Ala
 65 70 75 80
 Thr Thr

<210> 6101
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 6101
 Met Ala Asn Ile His Thr Phe Ser Ala Cys Leu Ala Leu Ala Asp Leu
 1 5 10 15
 His Gly Asp Gly Glu Tyr Lys Leu Val Val Gly Asp Leu Gly Pro Gly
 20 25 30
 Gly Gln Gln Pro Arg Leu Lys Val Leu Lys Gly Pro Leu Val Met Thr
 35 40 45
 Glu Ser Pro Leu Pro Ala Leu Pro Ala Ala Ala Thr Phe Leu Met
 50 55 60
 Glu Gln His Glu Pro Arg Xaa Pro Ala Leu Ala Leu Ala Ser Gly Pro
 65 70 75 80
 Cys Val Tyr Val Tyr Lys Asn Leu Arg Pro Tyr Phe
 85 90

<210> 6102
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 6102
 Met Ser Asp Ile Glu Glu Val Val Glu Glu Tyr Glu Glu Glu Glu Gln
 1 5 10 15
 Glu Glu Ala Ala Val Glu Glu Gln Glu Glu Ala Ala Glu Glu Asp Ala

20 25 30
 Glu Ala Glu Ala Glu Thr Glu Glu Thr Arg Ala Glu Glu Asp Glu Glu
 35 40 45
 Glu Glu Glu Ala Lys Glu Ala Glu Asp Gly Pro Met Glu Glu Ser Lys
 50 55 60
 Pro Lys Pro Arg Ser Phe Met Pro Asn Leu Xaa Pro Pro Lys Ile Pro
 65 70 75 80
 Asp Gly Glu Arg Val Asp Xaa Xaa Asp Ile His Xaa Lys Arg Met Glu
 85 90 95
 Lys Xaa Leu Asn Glu Leu Gln Ala Leu
 100 105

<210> 6103
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 6103
 Met Ala Thr Glu His Pro Glu Pro Pro Lys Ala Glu Leu Gln Leu Pro
 1 5 10 15
 Pro Pro Pro Pro Pro Gly His Tyr Gly Ala Trp Ala Ala Gln Glu Leu
 20 25 30
 Gln Ala Lys Leu Ala Glu Ile Gly Ala Pro Ile Gln Gly Asn Arg Glu
 35 40 45
 Glu Leu Val Glu Arg Leu Gln Ser Tyr Thr Arg Gln Thr Gly Ile Val
 50 55 60
 Leu Asn Arg Pro Val Leu Arg Gly Glu Asp Gly Asp Lys Ala Ala Pro
 65 70 75 80
 Pro Pro Met Ser Ala Gln Leu Pro Gly Ile Pro Met Pro Pro Pro Pro
 85 90 95
 Leu Gly Leu Pro Pro Leu Gln Pro Pro Pro Pro
 100 105

<210> 6104
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 6104
 Met Asn Ala Glu Pro Glu Arg Lys Phe Gly Val Val Val Val Gly Val
 1 5 10 15
 Gly Arg Ala Gly Ser Val Arg Met Arg Asp Leu Arg Asn Xaa His Pro
 20 25 30
 Xaa Ser Ala Phe Leu Asn Leu Arg Lys Gly Val Asp Ser Ala Ser Xaa
 35 40 45
 Ser Ser Ala Arg Ser His Leu Ala Ala Xaa Thr Leu Leu Ser Xaa
 50 55 60

<210> 6105
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 6105

Met Arg Asp Leu Arg Asn Pro His Pro Ser Ser Ala Phe Leu Asn Leu
 1 5 10 15
 Xaa Gly Phe Val Ser Arg Arg Glu Leu Gly Ser Ile Asp Gly Val Gln
 20 25 30
 Gln Ile Ser Leu Glu Asp Ala Leu Ser Ser Gln Glu Val Glu Val Xaa
 35 40 45
 Ile Ser Ala Val Xaa Xaa Pro Xaa Met Arg Thr Thr
 50 55 60

<210> 6106
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 6106
 Met Pro Pro Tyr Thr Val Val Tyr Phe Pro Val Arg Gly Arg Cys Ala
 1 5 10 15
 Ala Leu Arg Met Leu Leu Ala Asp Gln Gly Gln Ser Trp Lys Glu Glu
 20 25 30
 Val Val Thr Val Glu Thr Trp Gln Glu Gly Ser Leu Lys Ala Ser Cys
 35 40 45
 Leu Tyr Gly Gln Leu Pro Lys Phe Gln Asp Gly Asp Leu Thr Leu Tyr
 50 55 60
 Gln Ser Asn Thr Ile Leu Arg His Leu Gly Arg Thr Leu Gly Leu Tyr
 65 70 75 80
 Gly Lys Asp Gln Gln Glu Ala Ala Leu Val Asp Met Val Asn Asp Gly
 85 90 95
 Val Glu Asp Leu Arg Cys Lys Tyr Xaa Ser Leu Ile Tyr Thr Asn Tyr
 100 105 110
 Glu Ala Gly Lys Asp Asp Tyr Val Lys Ala Leu Pro Gly Gln
 115 120 125

<210> 6107
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 6107
 Met Thr Thr Tyr Ser Asp Lys Gly Ala Lys Pro Glu Arg Gly Arg Phe
 1 5 10 15
 Leu His Phe His Ser Val Thr Phe Trp Val Gly Asn Ala Lys Gln Ala
 20 25 30
 Ala Ser Phe Tyr Cys Ser Lys Met Gly Phe Glu Pro Leu Ala Tyr Arg
 35 40 45
 Gly Leu Glu Thr Gly Ser Arg Glu Val Val Ser His Val Ile Lys Gln
 50 55 60
 Gly Lys Ile Val Phe Val Leu Ser Ser Ala Leu Asn Pro Trp Asn Lys
 65 70 75 80
 Glu Met Gly Asp His Leu Val Lys His Gly Asp Gly Val Lys Asp Ile
 85 90 95
 Ala Phe Glu Val Glu Asp Cys Asp Tyr Ile Val Gln Tyr Gly Asp Thr
 100 105 110
 Thr His Thr Leu
 115

<210> 6108

<211> 186

<212> PRT

<213> Homo sapiens

<400> 6108

Met Pro Gln Ala Phe Leu Leu Gly Ser Ile His Glu Pro Ala Gly Ala
1 5 10 15
Leu Met Glu Pro Gln Pro Cys Pro Gly Ser Leu Ala Glu Ser Phe Leu
20 25 30
Glu Glu Glu Leu Arg Leu Asn Ala Glu Leu Ser Gln Leu Gln Phe Ser
35 40 45
Glu Pro Val Gly Ile Ile Tyr Asn Pro Val Glu Tyr Ala Gly
50 55 60

<210> 6109

<211> 327

<212> PRT

<213> Homo sapiens

<400> 6109

Met Met Ala Ser Met Arg Val Val Lys Glu Leu Glu Asp Leu Gln Lys
1 5 10 15
Lys Pro Pro Pro Tyr Leu Arg Asn Leu Ser Ser Asp Asp Ala Asn Val
20 25 30
Leu Val Trp His Ala Leu Leu Leu Pro Asp Gln Pro Pro Tyr His Leu
35 40 45
Lys Ala Phe Asn Leu Arg Ile Ser Phe Pro Pro Glu Tyr Pro Phe Lys
50 55 60
Pro Pro Met Ile Lys Phe Thr Thr Lys Ile Tyr His Pro Asn Val Asp
65 70 75 80
Glu Asn Gly Gln Ile Cys Leu Pro Ile Ile Ser Ser Glu Asn Trp Lys
85 90 95
Pro Cys Thr Lys Thr Cys Gln Val Xaa Glu Ala Leu Asn
100 105

<210> 6110

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6110

Met Gly Glu Tyr Ala Ile Leu Ile Arg Met Val Arg Glu Ser Leu Val
1 5 10 15
Asn Lys Gly Gly Leu Phe Lys Asn Gly Glu Glu Gly Arg His Ala Gln
20 25 30
Gly Thr Glu Arg Arg Thr Val Trp Leu Glu Trp Asn Val Arg Val Gly
35 40 45
Val Trp Phe Lys Asp Asp Ile
50 55

<210> 6111

<211> 300

<212> PRT

<213> Homo sapiens

<400> 6111

Met Ser Asp Phe Val Glu Ser Glu Ala Glu Glu Ser Glu Glu Glu Tyr
1 5 10 15
Asn Asp Glu Gly Glu Val Val Pro Arg Val Thr Lys Lys Phe Val Glu
20 25 30
Glu Glu Asp Asp Asp Glu Glu Glu Glu Glu Glu Asn Leu Asp Asp Gln
35 40 45
Asp Glu Gln Gly Asn Leu Lys Gly Phe Ile Asn Asp Asp Asp Asp Glu
50 55 60
Asp Glu Gly Glu Glu Asp Glu Gly Ser Asp Ser Gly Asp Ser Glu Asp
65 70 75 80
Asp Val Gly His Lys Lys Arg Lys Arg Thr Ser Phe Asp Asp Arg Leu
85 90 95
Glu Asp Asp Asp
100

<210> 6112

<211> 438

<212> PRT

<213> Homo sapiens

<400> 6112

Met Asp Ala Leu Glu Asp Tyr Val Trp Pro Arg Ala Thr Ser Glu Leu
1 5 10 15
Ile Leu Leu Pro Val Thr Gly Leu Glu Cys Val Gly Asp Arg Leu Leu
20 25 30
Ala Gly Glu Gly Pro Asp Val Leu Val Tyr Ser Leu Asp Phe Gly Gly
35 40 45
His Leu Arg Met Ile Lys Arg Val Gln Asn Leu Leu Gly His Tyr Leu
50 55 60
Ile His Gly Phe Arg Val Arg Pro Glu Pro Asn Gly Asp Leu Asp Leu
65 70 75 80
Glu Ala Met Val Ala Val Phe Gly Ser Lys Gly Leu Arg Val Val Lys
85 90 95
Ile Ser Trp Gly Gln Gly His Phe Trp Glu Leu Trp Arg Ser Gly Leu
100 105 110
Trp Asn Met Ser Asp Trp Ile Trp Asp Ala Arg Trp Leu Glu Gly Asn
115 120 125
Ile Ala Leu Ala Leu Gly His Asn Ser Val Val Leu Tyr Asp Pro Val
130 135 140
Val Gly
145

<210> 6113

<211> 192

<212> PRT

<213> Homo sapiens

<400> 6113

Met Ala Ala His Leu Val Lys Arg Cys Thr Cys Leu Leu Arg Glu Ala
1 5 10 15

004420" 66847560

004220" 6667550

Ala Arg Gln Ala Pro Xaa Met Ala Pro Val Gly Arg Leu Arg Leu Ala
 20 25 30
 Trp Val Ala His Lys Thr Leu Thr Ser Ser Ala Thr Ser Pro Ile Ser
 35 40 45
 His Leu Pro Gly Ser Leu Met Glu Xaa Val Glu Lys Glu Arg Ala Ser
 50 55 60

<210> 6114
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 6114
 Met Glu Val Ala Ala Asn Cys Ser Leu Arg Val Lys Arg Pro Leu Leu
 1 5 10 15
 Asp Pro Arg Phe Glu Gly Tyr Lys Leu Ser Leu Glu Pro Leu Pro Cys
 20 25 30
 Tyr Gln Leu Glu Leu Asp Ala Gly Gly Lys Arg Arg Arg Pro Ser Tyr
 35 40 45
 Ser Val Pro Phe Pro Phe Arg Leu Pro Pro
 50 55

<210> 6115
 <211> 285
 <212> PRT
 <213> Homo sapiens

<400> 6115
 Met Asp Ser Phe Lys Val Val Leu Glu Gly Pro Ala Pro Trp Gly Phe
 1 5 10 15
 Arg Leu Gln Gly Gly Lys Asp Phe Asn Val Pro Leu Ser Ile Ser Arg
 20 25 30
 Leu Thr Pro Gly Gly Lys Ala Ala Gln Ala Gly Val Ala Val Gly Asp
 35 40 45
 Trp Val Leu Ser Ile Asp Gly Glu Asn Ala Gly Ser Leu Thr His Ile
 50 55 60
 Glu Ala Gln Asn Lys Ile Arg Ala Cys Gly Glu Arg Leu Ser Leu Gly
 65 70 75 80
 Leu Ser Arg Ala Gln Pro Val Gln Ser Lys Xaa Gln Lys Ala Pro
 85 90 95

<210> 6116
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 6116
 Met Thr Ala Ala Leu Ala Val Val Thr Thr Ser Gly Leu Glu Asp Gly
 1 5 10 15
 Val Pro Arg Ser Arg Gly Glu Gly Thr Gly Glu Val Val Leu Glu Arg
 20 25 30
 Gly Pro Gly Ala Ala Tyr His Met Phe Val Val Met Glu Asp Leu Val
 35 40 45
 Glu Lys Leu Lys Leu Leu Arg Tyr Glu Glu Glu Phe Leu Arg Lys Ser

50 55 60
 Asn Leu Lys Ala Pro Ser Arg His Tyr Phe Ala Leu Pro Thr Asn Pro
 65 70 75 80
 Gly Glu Gln Phe Tyr Met Phe Cys Thr Leu Ala Ala Trp Leu Ile Asn
 85 90 95
 Lys Ala Gly Arg Pro Phe Glu Gln Pro Gln Glu Tyr Asp Asp Pro Asn
 100 105 110
 Ala Thr Ile Ser Asn Ile Leu Ser Glu Leu Arg Ser Phe Gly Arg Leu
 115 120 125
 Gln Ile Ser Ser
 130

<210> 6117
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 6117
 Met Glu Ser Glu Ser Glu Ser Gly Ala Ala Ala Asp Thr Pro Pro Leu
 1 5 10 15
 Glu Thr Leu Ser Phe His Gly Asp Glu Glu Ile Ile Glu Val Val Glu
 20 25 30
 Leu Asp Pro Gly Pro Pro Asp Pro Asp Asp Leu Ala Gln Glu Met Glu
 35 40 45
 Asp Val Asp Phe Glu Glu Glu Glu Glu Glu Gly Asn Glu Glu Gly
 50 55 60
 Trp Val Leu Glu Pro Gln Glu Gly Val Val Gly Ser Met Glu Gly Pro
 65 70 75 80
 Asp Asp Ser Glu Val Thr Phe Ala Leu His Ser Ala
 85 90

<210> 6118
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 6118
 Met Ser Tyr Ser Val Thr Leu Thr Gly Pro Gly Pro Trp Gly Phe Arg
 1 5 10 15
 Leu Gln Gly Gly Xaa Asp Phe Asn Met Pro Leu Thr Leu Gln Lys Ser
 20 25 30
 Lys Arg Pro Ile Pro Ile Ser Thr Thr Ala Pro Pro Val Gln Thr Pro
 35 40 45
 Leu Pro Val Ile Pro His Gln Lys Val Val Val Asn Ser Pro Ala Asn
 50 55 60
 Ala Asp Tyr Gln Glu Arg Phe Asn Pro Ser
 65 70

<210> 6119
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 6119

Met Ser Tyr Ser Val Thr Leu Thr Gly Pro Gly Pro Trp Gly Phe Arg
 1 5 10 15
 Leu Gln Gly Gly Lys Asp Phe Asn Met Pro Leu Thr Ile Ser Arg Ile
 20 25 30
 Thr Pro Gly Ser Lys Ala Ala Gln Ser Gln Leu Ser Gln Gly Asp Leu
 35 40 45
 Val Val Ala Ile Asp Gly Val Asn Thr Asp
 50 55

<210> 6120
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 6120
 Met Ser Tyr Ser Val Thr Leu Thr Gly Pro Gly Pro Trp Gly Phe Arg
 1 5 10 15
 Leu Gln Gly Gly Lys Asp Phe Asn Met Pro Leu Thr Ile Ser Arg Ile
 20 25 30
 Thr Pro Gly Ser Lys Ala Ala Gln Ser Gln Leu Ser Gln Gly Asp Leu
 35 40 45
 Val Val Ala Ile Asp Gly Val Asn Thr Asp Thr Met Thr His Leu Glu
 50 55 60
 Ala Gln Asn Lys Ile Lys Ser Ala Ser Tyr Asn Leu Ser Leu Thr Leu
 65 70 75 80
 Gln Lys Ser Lys Arg Pro Ile Pro Ile Ser Thr Thr Ala Pro Pro Val
 85 90 95
 Gln Thr Pro Leu Pro Val Ile Pro His Gln Lys Val Val Val Asn Ser
 100 105 110
 Pro

<210> 6121
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 6121
 Met Asn Lys Ala Pro Gln Ser Thr Gly Pro Pro Xaa Ala Pro Ser Pro
 1 5 10 15
 Gly Leu Pro Xaa Pro Ala Phe Pro Pro Gly Gln Thr Ala Pro Val Val
 20 25 30
 Phe Ser Thr Pro Gln Ala Thr Gln Met Asn Thr Pro Ser Gln Pro Arg
 35 40 45
 Xaa His Phe Tyr
 50

<210> 6122
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 6122
 Met Asn Lys Ala Pro Gln Ser Thr Gly Pro Pro Pro Ala Pro Ser Pro
 1 5 10 15

004220-02400

Gly Leu Pro Gln Pro Ala Phe Pro Pro Gly Gln Thr Ala Pro Val Val
20 25 30
Phe Ser Thr Pro Gln Ala Thr Gln Met Asn Thr Pro Ser Gln Pro Arg
35 40 45
Xaa His Phe Tyr
50

<210> 6123
<211> 435
<212> PRT
<213> Homo sapiens

<400> 6123
Met Pro Leu His Lys Tyr Pro Val Trp Leu Trp Lys Arg Leu Gln Leu
1 5 10 15
Arg Glu Gly Ile Cys Ser Arg Leu Pro Gly His Tyr Leu Arg Ser Leu
20 25 30
Glu Glu Glu Arg Thr Pro Thr Pro Val His Tyr Arg Pro His Gly Ala
35 40 45
Lys Phe Lys Ile Asn Pro Lys Asn Gly Gln Arg Glu Arg Val Glu Asp
50 55 60
Val Pro Ile Pro Ile Tyr Phe Pro Pro Glu Ser Gln Arg Gly Leu Trp
65 70 75 80
Gly Gly Glu Gly Trp Ile Leu Gly Gln Ile Tyr Ala Asn Asn Asp Lys
85 90 95
Leu Ser Lys Arg Leu Lys Lys Val Trp Lys Pro Gln Leu Phe Glu Arg
100 105 110
Glu Phe Tyr Ser Glu Ile Leu Asp Lys Lys Phe Thr Val Thr Val Thr
115 120 125
Met Arg Thr Leu Asp Leu Ile Asp Glu Ala Tyr Gly Leu Asp Phe Tyr
130 135 140
Ile
145

<210> 6124
<211> 174
<212> PRT
<213> Homo sapiens

<400> 6124
Met Ser Lys Leu Gly Arg Ala Ala Arg Gly Leu Arg Lys Pro Glu Arg
1 5 10 15
Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg Thr Lys
20 25 30
Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val Lys Pro
35 40 45
Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln
50 55

<210> 6125
<211> 300
<212> PRT
<213> Homo sapiens

004220" 06643999" 0224400

<400> 6125

Met	Glu	Leu	Ser	Pro	Arg	Ser	Pro	Pro	Glu	Met	Leu	Glu	Glu	Ser	Asp
1				5					10					15	
Cys	Pro	Ser	Pro	Leu	Glu	Leu	Lys	Ser	Ala	Pro	Ser	Lys	Lys	Met	Trp
			20					25					30		
Ile	Lys	Leu	Arg	Ser	Leu	Leu	Arg	Tyr	Met	Val	Lys	Gln	Leu	Glu	Asn
		35					40					45			
Gly	Glu	Ile	Asn	Ile	Glu	Glu	Leu	Lys	Lys	Asn	Leu	Glu	Tyr	Thr	Ala
	50					55				60					
Ser	Leu	Leu	Glu	Ala	Val	Tyr	Ile	Asp	Glu	Thr	Arg	Gln	Ile	Leu	Asp
65					70				75					80	
Thr	Glu	Asp	Glu	Leu	Gln	Glu	Leu	Arg	Ser	Asp	Ala	Val	Pro	Ser	Glu
				85					90					95	
Val	Arg	Asp	Trp												
															100

<210> 6126

<211> 186

<212> PRT

<213> Homo sapiens

<400> 6126

Met	Gly	Cys	Cys	Tyr	Ser	Ser	Glu	Asn	Glu	Asp	Ser	Asp	Gln	Asp	Arg
1				5					10					15	
Glu	Glu	Arg	Lys	Leu	Leu	Leu	Asp	Pro	Ser	Ser	Pro	Pro	Thr	Lys	Ala
			20					25					30		
Leu	Asn	Gly	Ala	Glu	Pro	Asn	Tyr	His	Ser	Leu	Pro	Ser	Ala	Arg	Thr
		35					40					45			
Asp	Glu	Gln	Ala	Leu	Leu	Ser	Ser	Ile	Leu	Ala	Lys	Thr	Xaa		
	50					55					60				

<210> 6127

<211> 303

<212> PRT

<213> Homo sapiens

<400> 6127

Met	Thr	Gln	Gly	Lys	Leu	Ser	Val	Ala	Asn	Lys	Ala	Pro	Gly	Thr	Glu
1				5					10					15	
Gly	Gln	Gln	Gln	Val	His	Gly	Glu	Lys	Lys	Glu	Ala	Pro	Ala	Val	Pro
			20					25					30		
Ser	Ala	Pro	Pro	Ser	Tyr	Glu	Glu	Ala	Thr	Ser	Gly	Glu	Gly	Met	Lys
		35					40					45			
Ala	Gly	Ala	Phe	Pro	Pro	Ala	Pro	Thr	Ala	Val	Pro	Leu	His	Pro	Ser
	50					55				60					
Trp	Ala	Tyr	Val	Asp	Pro	Ser	Ser	Ser	Ser	Ser	Tyr	Tyr	Asn	Gly	Phe
65					70				75					80	
Pro	Thr	Gly	Asp	His	Glu	Leu	Phe	Thr	Thr	Phe	Ser	Trp	Asp	Asp	Gln
				85					90					95	
Lys	Val	Arg	Arg	Val											
															100

<210> 6128

<211> 240

<212> PRT

<213> Homo sapiens

<400> 6128

Met	Thr	Thr	Val	Val	Val	His	Val	Asp	Ser	Lys	Ala	Glu	Leu	Thr	Thr
1			5						10					15	
Leu	Leu	Glu	Gln	Trp	Glu	Lys	Glu	His	Gly	Ser	Gly	Gln	Asp	Met	Val
		20						25					30		
Pro	Ile	Leu	Thr	Arg	Met	Ser	Gln	Leu	Ile	Glu	Lys	Glu	Thr	Glu	Glu
		35					40					45			
Tyr	Arg	Lys	Gly	Asp	Pro	Asp	Pro	Phe	Asp	Asp	Arg	His	Xaa	Gly	Arg
	50					55					60				
Ala	Asp	Pro	Glu	Cys	Met	Leu	Gly	His	Leu	Leu	Arg	Ile	Leu	Phe	Lys
65					70					75					80

<210> 6129

<211> 234

<212> PRT

<213> Homo sapiens

<400> 6129

Met	Ala	Leu	Pro	Ile	Ile	Val	Lys	Trp	Gly	Gly	Gln	Glu	Tyr	Ser	Val
1			5						10					15	
Thr	Thr	Xaa	Ser	Glu	Asp	Asp	Thr	Val	Leu	Asp	Leu	Lys	Glu	Xaa	Leu
		20					25						30		
Lys	Thr	Leu	Thr	Gly	Val	Leu	Pro	Glu	Arg	Gln	Lys	Leu	Leu	Gly	Leu
		35					40					45			
Xaa	Val	Lys	Xaa	Lys	Pro	Ala	Glu	Xaa	Asp	Val	Lys	Leu	Gly	Ala	Leu
	50					55					60				
Xaa	Leu	Xaa	Pro	Xaa	Xaa	Lys	Ile	Met	Met	Met	Gly	Thr	Arg		
65					70					75					

<210> 6130

<211> 201

<212> PRT

<213> Homo sapiens

<400> 6130

Met	Val	Leu	Ala	Asp	Leu	Gly	Arg	Lys	Ile	Thr	Ser	Ala	Leu	Arg	Ser
1			5						10					15	
Leu	Ser	Asn	Ala	Thr	Ile	Ile	Asn	Glu	Glu	Val	Leu	Asn	Ala	Met	Leu
		20					25						30		
Lys	Glu	Val	Cys	Thr	Ala	Leu	Leu	Glu	Ala	Asp	Val	Asn	Ile	Lys	Leu
		35					40					45			
Val	Lys	Gln	Leu	Arg	Glu	Asn	Val	Lys	Ser	Ala	Ile	Asp	Leu	Glu	Glu
	50					55					60				
Met	Ala	Ser													
65															

<210> 6131

<211> 159

<212> PRT

<213> Homo sapiens

<400> 6131

Met Ala Ala Ala Ala Leu Gly Gln Leu Phe Glu Gly Met Lys Ala Phe
 1 5 10 15
 Lys Gly Lys Asp Gln Gln Val Arg Leu Phe Arg Pro Trp Leu Asn Met
 20 25 30
 Asp Arg Met Leu Arg Ser Ala Met Arg Leu Cys Leu Pro Ser Phe Asp
 35 40 45
 Lys Leu Glu Leu Leu
 50

<210> 6132

<211> 657

<212> PRT

<213> Homo sapiens

<400> 6132

Met Ala Ala Ala Ala Ala Ala Ala Pro Ser Gly Gly Gly Gly Gly Gly
 1 5 10 15
 Glu Glu Glu Arg Leu Xaa Glu Lys Ser Glu Asp Gln Asp Leu Xaa Gly
 20 25 30
 Leu Lys Asp Xaa Pro Leu Lys Phe Xaa Xaa Val Lys Lys Asp Lys Lys
 35 40 45
 Glu Glu Lys Glu Gly Lys His Glu Pro Val Gln Pro Ser Ala His His
 50 55 60
 Ser Ala Glu Pro Ala Glu Ala Gly Lys Ala Glu Thr Ser Xaa Gly Ser
 65 70 75 80
 Gly Ser Ala Pro Ala Val Pro Glu Ala Ser Ala Ser Pro Lys Gln Arg
 85 90 95
 Arg Ser Ile Ile Arg Asp Arg Gly Xaa Met Xaa Asp Asp Pro Thr Leu
 100 105 110
 Pro Glu Gly Trp Thr Arg Lys Leu Lys Gln Arg Lys Ser Gly Arg Ser
 115 120 125
 Ala Gly Lys Tyr Asp Val Tyr Leu Ile Asn Pro Gln Gly Lys Ala Phe
 130 135 140
 Arg Ser Lys Val Glu Leu Ile Ala Tyr Phe Glu Lys Val Gly Asp Thr
 145 150 155 160
 Ser Leu Asp Pro Asn Asp Phe Asp Phe Thr Val Thr Gly Arg Gly Ser
 165 170 175
 Pro Ser Arg Arg Glu Gln Lys Pro Pro Lys Xaa Pro Lys Ser Pro Lys
 180 185 190
 Ala Pro Gly Thr Gly Arg Gly Arg Gly Arg Pro Lys Gly Ser Gly Thr
 195 200 205
 Thr Arg Pro Lys Ala Ala Thr Ser Glu Gly Val
 210 215

<210> 6133

<211> 300

<212> PRT

<213> Homo sapiens

<400> 6133

Met Ala Ser Asp Asp Phe Asp Ile Val Ile Glu Ala Met Leu Glu Ala
 1 5 10 15
 Pro Tyr Lys Lys Glu Glu Asp Glu Gln Gln Arg Lys Glu Val Lys Lys

20 25 30
 Asp Tyr Pro Ser Asn Thr Thr Ser Ser Thr Ser Asn Ser Gly Asn Glu
 35 40 45
 Thr Ser Gly Ser Ser Thr Ile Gly Glu Thr Ser Asn Arg Ser Arg Asp
 50 55 60
 Arg Asp Arg Tyr Arg Arg Arg Asn Ser Arg Ser Arg Ser Pro Gly Arg
 65 70 75 80
 Gln Cys Arg His Arg Ser Arg Ser Trp Asp Arg Arg His Gly Ser Glu
 85 90 95
 Ser Arg Ser Arg
 100

<210> 6134
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 6134
 Met Phe Gln Val Pro Asp Ser Glu Gly Gly Arg Ala Gly Ser Arg Ala
 1 5 10 15
 Met Lys Pro Pro Gly Gly Glu Ser Ser Asn Leu Phe Gly Ser Pro Glu
 20 25 30
 Glu Ala Thr Pro Ser Ser Arg Pro Asn Arg Met Ala Ser Asn Ile Phe
 35 40 45
 Gly Pro Thr Glu Glu Pro Gln Asn Ile Pro Lys Arg Thr Asn Pro Pro
 50 55 60
 Gly Gly Lys Gly Ser Gly Ile Phe Asp Glu Ser Thr Pro Val Gln Thr
 65 70 75 80
 Arg Gln His Xaa Asn Pro Pro Gly Gly Lys Thr Ser Asp Ile Phe Gly
 85 90 95
 Ser Pro Val Thr Ala Thr Ser Arg Leu Ala His Pro Xaa Lys Pro Lys
 100 105 110
 Asp His Val Phe Leu Cys Glu Gly Glu Glu Pro Lys Ser Asp Leu Lys
 115 120 125
 Ala Ala Arg Ser Ile Pro Ala Gly Ala Glu Pro Gly
 130 135 140

<210> 6135
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 6135
 Met Gly Ala Leu Thr Ser Arg Gln His Ala Gly Val Glu Glu Val Asp
 1 5 10 15
 Ile Pro Ser Asn Ser Val Tyr Arg Tyr Pro Pro Lys Ser Gly Ser Tyr
 20 25 30
 Phe Ala Ser His Phe Ile Met Gly Gly Glu Lys Phe Asp Ser Thr His
 35 40 45
 Pro Glu Gly Tyr Leu Phe Gly Glu Asn Ser Asp Leu Asn Phe Leu Gly
 50 55 60
 Asn Arg Pro Val Val Phe Pro Tyr Ala Ala Pro Pro Pro Gln Glu Pro
 65 70 75 80
 Val Lys Thr Leu Arg Ser Leu Val Asn Ile Arg Lys Asp Thr Leu Arg

				85						90					95
Leu	Val	Lys	Cys	Ala	Glu	Glu	Val	Lys	Ser	Pro	Gly	Glu	Glu	Ala	Ser
			100					105					110		
Lys	Ala	Lys	Val	His	Tyr	Asn	Val	Glu	Phe	Thr	Leu	Thr	Gln	Met	Xaa
		115					120					125			
Gly	Val	Ala	Ile	Thr	Ile	Tyr	Tyr								
	130					135									

<210> 6136
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 6136
 Met Gln Val Ser Ser Leu Asn Glu Val Lys Ile Tyr Ser Leu Ser Cys
 1 5 10 15
 Gly Lys Ser Leu Pro Glu Trp Leu Ser Asp Arg Lys Lys Arg Ala Leu
 20 25 30
 Gln Lys Xaa Asp Val Asp Val Arg Arg Arg Ile Glu Leu Ile Gln Asp
 35 40 45
 Phe Glu Met Pro Thr Val Cys Thr Thr Ile Lys Val Ser Lys Asp Gly
 50 55 60
 Gln Tyr Ile Leu Ala Thr Gly Thr Tyr Lys Pro Arg
 65 70 75

<210> 6137
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 6137
 Met Val His Pro Arg Ile Leu Tyr Arg Asp Gly Gln Ala Leu Gly Ser
 1 5 10 15
 Trp Leu Arg Pro Leu Gly Gln Pro Cys Ala Lys Asp Leu Leu Thr Thr
 20 25 30
 Asp Gln Pro Asp His Leu Pro Pro Ser Lys Ser Ser Lys Ser Ser Lys
 35 40 45
 Leu Val Thr Cys Pro Leu Met Phe Pro Gly Asn Gln Glu Arg Gly Pro
 50 55 60
 Leu His Phe Ile Phe Pro Ser Arg Val Ala Gly Ser Leu Pro Gly Lys
 65 70 75 80
 Gln Ala Ser Phe Ser Thr Ala Val Val Ala Leu Thr Lys Gln Ser Gly
 85 90 95

<210> 6138
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 6138
 Met Ala Lys Phe Met Thr Pro Val Ile Gln Asp Asn Pro Ser Gly Trp
 1 5 10 15
 Gly Pro Cys Ala Val Pro Glu Gln Phe Arg Asp Met Pro Tyr Gln Pro
 20 25 30

Phe Ser Lys Gly Asp Arg Leu Gly Lys Val Ala Asp Trp Thr Gly Ala
 35 40 45
 Thr Tyr Gln Asp Lys Arg Tyr Thr Asn Lys Tyr Ser Ser Gln Phe Gly
 50 55 60
 Gly Gly Ser Gln Tyr Ala Tyr Phe His Glu Glu Asp Glu Ser Ser Phe
 65 70 75 80
 Gln Leu Val Asp Thr Ala Arg Thr Gln Lys Thr Ala Tyr Gln Arg Asn
 85 90 95
 Arg Met Arg Phe Ala Gln Arg Asn Leu Arg Arg Asp Lys
 100 105

<210> 6139
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 6139
 Met Ala Met Leu Arg Val Gln Pro Glu Ala Gln Ala Lys Val Asp Val
 1 5 10 15
 Phe Arg Glu Asp Leu Cys Thr Lys Thr Glu Asn Leu Leu Gly Ser Tyr
 20 25 30
 Phe Pro Lys Lys Ile Ser Glu Leu Asp Ala Phe Leu Lys Glu Pro Ala
 35 40 45
 Leu Asn Glu Ala Asn Leu Ser Asn Leu Lys Ala Pro Leu Asp Ile Pro
 50 55 60
 Val Pro Asp Pro Val Lys Glu Lys Glu Lys Glu Glu Arg Lys Lys Gln
 65 70 75 80
 Gln Glu Lys Glu Asp Lys Asp Glu Lys Lys Lys Gly Glu Asp Glu Asp
 85 90 95
 Lys Gly Pro Pro Cys Gly Pro Val Asn Cys Asn Glu Lys Ile Val Val
 100 105 110
 Leu Leu Gln Arg Leu Lys
 115

<210> 6140
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 6140
 Met Cys Ser Leu Gly Leu Phe Pro Pro Pro Pro Arg Gly Gln Val
 1 5 10 15
 Thr Leu Tyr Glu His Asn Asn Glu Leu Val Thr Gly Ser Ser Tyr Glu
 20 25 30
 Ser Pro Pro Pro Asp Phe Arg Gly Gln Trp Ile Asn Leu Pro Val Leu
 35 40 45
 Gln Leu Thr Lys Asp Pro Leu Lys Thr Pro Gly Arg Leu Asp His Gly
 50 55 60
 Thr Arg Thr Ala Phe Ile His His Pro
 65 70

<210> 6141
 <211> 171
 <212> PRT

<213> Homo sapiens

<400> 6141

Met Leu Ser Pro Glu Arg Leu Ala Leu Pro Asp Tyr Glu Tyr Leu Ala
1 5 10 15
Gln Arg His Val Leu Thr Tyr Met Glu Asp Ala Val Cys Gln Leu Leu
20 25 30
Glu Asn Arg Glu Asp Ile Ser Gln Tyr Gly Ile Ala Arg Phe Phe Thr
35 40 45
Glu Tyr Phe Lys Val Tyr Ala Arg Glu
50 55

<210> 6142

<211> 327

<212> PRT

<213> Homo sapiens

<400> 6142

Met Ala Cys Leu Ser Pro Ser Gln Leu Gln Lys Phe Gln Gln Asp Gly
1 5 10 15
Phe Leu Val Leu Glu Gly Phe Leu Ser Ala Glu Glu Cys Val Ala Met
20 25 30
Gln Gln Arg Ile Gly Glu Ile Val Ala Glu Met Asp Val Pro Leu His
35 40 45
Cys Arg Thr Glu Phe Ser Thr Gln Glu Glu Glu Gln Leu Arg Ala Gln
50 55 60
Gly Ser Thr Asp Tyr Phe Leu Ser Ser Gly Asp Lys Ile Arg Phe Phe
65 70 75 80
Phe Glu Lys Gly Val Phe Asp Glu Lys Gly Asn Phe Leu Val Pro Pro
85 90 95
Glu Lys Ser Ile Xaa Lys Ile Gly His Ala Leu His Ala
100 105

<210> 6143

<211> 228

<212> PRT

<213> Homo sapiens

<400> 6143

Met Met Thr Ile Val Thr Met Ala Val Arg Lys Arg Lys Thr Lys Arg
1 5 10 15
Trp Leu Arg Arg Ser Lys Pro Glu Arg Lys Glu Lys Lys Met Pro Lys
20 25 30
Pro Arg Leu Lys Ala Thr Val Thr Pro Ser Pro Val Lys Gly Lys Gly
35 40 45
Lys Val Gly Arg Pro Thr Ala Ser Lys Ala Ser Lys Glu Arg Leu Leu
50 55 60
Leu Pro Lys Lys Lys Met Arg Asn Arg Lys Ala Arg
65 70 75

<210> 6144

<211> 225

<212> PRT

<213> Homo sapiens

<400> 6144

Met Ser Glu Leu Xaa Gly Glu Thr Gly Thr Ser Phe Pro Phe Ser Val
1 5 10 15
Ser Gly Ser Gln Lys Val Cys Pro Phe Ser His His Glu Leu Ala Leu
20 25 30
Gln Phe Pro Gly Ser Gly Thr Asn Ser Leu Pro Pro Gln Arg Gln Gly
35 40 45
Pro Gly Arg Arg Glu Gln Pro Cys Lys Gly Arg Gly Gly Ser His Leu
50 55 60
Glu Ser Gln Ile Trp Gln Tyr Thr Met Asn Gln
65 70 75

<210> 6145

<211> 282

<212> PRT

<213> Homo sapiens

<400> 6145

Met Leu Tyr Leu Ile Gly Leu Gly Leu Gly Asp Ala Lys Asp Ile Thr
1 5 10 15
Val Lys Gly Leu Glu Val Val Arg Arg Cys Ser Arg Val Tyr Leu Glu
20 25 30
Ala Tyr Thr Ser Val Leu Thr Val Gly Lys Xaa Ala Leu Glu Glu Phe
35 40 45
Tyr Gly Arg Lys Leu Val Val Ala Asp Arg Glu Glu Val Glu Gln Glu
50 55 60
Ala Asp Asn Ile Leu Lys Asp Ala Asp Ile Ser Asp Val Ala Phe Leu
65 70 75 80
Val Val Gly Asp Pro Phe Gly Ala Thr Thr His Ser Asp Leu
85 90

<210> 6146

<211> 282

<212> PRT

<213> Homo sapiens

<400> 6146

Met Leu Tyr Leu Ile Gly Leu Gly Leu Gly Asp Ala Lys Asp Ile Thr
1 5 10 15
Val Lys Gly Leu Glu Val Val Arg Arg Cys Ser Arg Val Tyr Leu Glu
20 25 30
Ala Tyr Thr Ser Val Leu Thr Val Gly Lys Xaa Ala Leu Glu Glu Phe
35 40 45
Tyr Gly Arg Lys Leu Val Val Ala Asp Arg Glu Glu Val Glu Gln Glu
50 55 60
Ala Asp Asn Ile Leu Lys Asp Ala Asp Ile Ser Asp Val Ala Phe Leu
65 70 75 80
Val Val Gly Asp Pro Phe Gly Ala Thr Thr His Ser Asp Leu
85 90

<210> 6147

<211> 252

<212> PRT

<213> Homo sapiens

<400> 6147

```

Met Glu Arg Met Leu Pro Leu Leu Thr Leu Gly Ala Xaa Asn Thr Xaa
1           5           10           15
Leu Xaa Glu Xaa Pro Gln Lys Ala Ser Ser Ser Thr Ser Arg Arg Leu
           20           25           30
Leu Arg Gln Lys Phe Thr Arg Ala Ser Ser Thr Ser Cys Ala Pro Ser
           35           40           45
Ile Ser Pro Ala Met Lys Leu Gln Leu Xaa Met Gly Lys Cys His Xaa
           50           55           60
Cys Xaa Arg Ala Thr Gln Ser Ala Gly Gln Val His Gly Gly Cys Gln
65           70           75           80
Glu Ala Val Trp

```

<210> 6148

<211> 201

<212> PRT

<213> Homo sapiens

<400> 6148

```

Met Asp Gly Arg Val Gln Leu Ile Lys Ala Leu Leu Ala Leu Pro Ile
1           5           10           15
Arg Pro Ala Thr Arg Arg Trp Arg Asn Pro Ile Pro Phe Pro Glu Thr
           20           25           30
Phe Asp Gly Asp Thr Asp Arg Leu Pro Glu Phe Ile Val Gln Thr Gly
           35           40           45
Ser Tyr Met Phe Val Asp Glu Asn Thr Phe Xaa Ser Glu Thr Tyr Phe
50           55           60
Leu Pro Thr
65

```

<210> 6149

<211> 198

<212> PRT

<213> Homo sapiens

<400> 6149

```

Met Xaa Gly Arg Val Gln Leu Met Lys Ala Leu Leu Ala Xaa Pro Leu
1           5           10           15
Arg Pro Ala Ala Arg Arg Trp Arg Asn Pro Ile Pro Phe Pro Glu Thr
           20           25           30
Phe Asp Gly Asp Thr Asp Arg Leu Pro Glu Phe Ile Val Gln Thr Ser
           35           40           45
Ser Tyr Met Phe Val Asp Glu Asn Thr Phe Ser Asn Asp Ala Leu Lys
50           55           60
Val Thr
65

```

<210> 6150

<211> 372

<212> PRT

<213> Homo sapiens

<400> 6150

```

Met Asp Ser Arg Ile Pro Tyr Asp Asp Tyr Pro Val Val Phe Leu Pro
1           5           10           15
Ala Tyr Glu Asn Pro Pro Ala Trp Ile Pro Pro His Glu Arg Val His
           20           25           30
His Pro Asp Tyr Asn Asn Glu Leu Thr Gln Phe Leu Pro Arg Thr Ile
           35           40           45
Thr Leu Lys Lys Pro Pro Gly Ala Gln Leu Gly Phe Asn Ile Arg Gly
           50           55           60
Gly Lys Ala Ser Gln Leu Gly Ile Phe Ile Ser Lys Val Ile Pro Asp
65           70           75           80
Ser Asp Ala His Arg Ala Gly Leu Gln Glu Gly Asp Gln Val Leu Ala
           85           90           95
Val Asn Asp Val Asp Phe Gln Asp Ile Glu His Ser Lys Ala Val Glu
           100          105          110
Ile Leu Lys Thr Ala Arg Glu Ile Ser Met Arg Val
           115          120

```

<210> 6151

<211> 177

<212> PRT

<213> Homo sapiens

<400> 6151

```

Met Asn His Lys Ser Lys Lys Arg Ile Arg Glu Ala Lys Arg Ser Ala
1           5           10           15
Arg Pro Glu Leu Lys Asp Ser Leu Asp Trp Thr Arg His Asn Tyr Tyr
           20           25           30
Glu Ser Phe Ser Leu Ser Pro Ala Ala Val Ala Asp Asn Val Glu Arg
           35           40           45
Ala Asp Ala Leu Gln Leu Ser Val Glu Glu Phe
           50           55

```

<210> 6152

<211> 726

<212> PRT

<213> Homo sapiens

<400> 6152

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Met Gly Arg Val Ile Arg Gly Gln Arg Lys Gly Ala Gly Ser Val Phe
1           5           10           15
Arg Ala His Val Lys His Arg Lys Gly Ala Ala Arg Xaa Arg Ala Val
           20           25           30
Asp Phe Ala Glu Arg His Gly Tyr Ile Lys Gly Ile Val Lys Asp Ile
           35           40           45
Ile His Asp Pro Gly Arg Gly Ala Pro Leu Ala Lys Val Val Phe Arg
           50           55           60
Asp Pro Tyr Arg Phe Lys Lys Arg Thr Glu Leu Phe Ile Ala Ala Glu
65           70           75           80
Gly Ile His Thr Gly Gln Phe Val Tyr Cys Gly Lys Lys Ala Gln Leu
           85           90           95
Asn Ile Gly Asn Val Leu Pro Val Gly Thr Met Pro Glu Gly Thr Ile
           100          105          110
Val Cys Cys Leu Glu Glu Lys Pro Gly Asp Arg Gly Lys Leu Ala Arg

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115 120 125
 Ala Ser Gly Asn Tyr Ala Thr Val Ile Ser His Asn Pro Glu Thr Lys
 130 135 140
 Lys Thr Arg Val Lys Leu Pro Ser Gly Ser Lys Lys Val Ile Ser Ser
 145 150 155 160
 Ala Asn Arg Ala Leu Val Gly Val Val Ala Gly Gly Arg Ile Asp
 165 170 175
 Lys Pro Ile Leu Lys Ala Gly Arg Ala Tyr His Lys Tyr Lys Ala Lys
 180 185 190
 Arg Asn Cys Trp Pro Arg Val Arg Gly Val Ala Met Asn Pro Val Ala
 195 200 205
 Ala Ser Phe Trp Arg Trp Gln Pro Pro Ala His Arg Gln Ala Leu His
 210 215 220
 His Pro Gln Arg Cys Pro Cys Trp Pro Gln Ser Gly Ser His Cys Cys
 225 230 235 240
 Pro Xaa

<210> 6153
 <211> 654
 <212> PRT
 <213> Homo sapiens

<400> 6153
 Met Gly Arg Val Ile Arg Gly Gln Arg Lys Gly Ala Gly Ser Val Phe
 1 5 10 15
 Arg Ala His Val Lys His Arg Lys Gly Ala Ala Arg Xaa Arg Ala Val
 20 25 30
 Asp Phe Ala Glu Arg His Gly Tyr Ile Lys Gly Ile Val Lys Asp Ile
 35 40 45
 Ile His Asp Pro Gly Arg Gly Ala Pro Leu Xaa Lys Val Val Phe Arg
 50 55 60
 Asp Pro Tyr Arg Phe Lys Lys Arg Thr Glu Leu Phe Ile Ala Ala Glu
 65 70 75 80
 Gly Thr Met Pro Xaa Gly Thr Ile Val Cys Cys Leu Glu Xaa Lys Pro
 85 90 95
 Gly Asp Arg Gly Lys Leu Ala Arg Ala Ser Gly Asn Tyr Ala Thr Val
 100 105 110
 Ile Ser His Asn Pro Glu Thr Lys Lys Thr Arg Val Lys Leu Pro Ser
 115 120 125
 Gly Ser Lys Lys Val Ile Ser Ser Ala Asn Arg Ala Leu Val Gly Val
 130 135 140
 Val Ala Gly Gly Gly Arg Ile Asp Lys Pro Ile Leu Lys Ala Gly Arg
 145 150 155 160
 Ala Tyr His Lys Tyr Lys Ala Lys Arg Asn Cys Trp Pro Arg Val Arg
 165 170 175
 Gly Val Ala Met Asn Pro Val Ala Ala Ser Phe Trp Arg Trp Gln Pro
 180 185 190
 Pro Ala His Arg Gln Ala Leu His His Pro Gln Arg Cys Pro Cys Trp
 195 200 205
 Pro Gln Ser Gly Ser His Cys Cys Pro Xaa
 210 215

<210> 6154
 <211> 264

<212> PRT
<213> Homo sapiens

<400> 6154

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Met Glu Ser Ser Pro Phe Asn Arg Arg Gln Trp Thr Ser Leu Ser Leu
1          5          10          15
Arg Val Thr Ala Lys Glu Leu Ser Leu Val Asn Lys Asn Lys Ser Ser
          20          25          30
Ala Ile Val Glu Ile Phe Ser Lys Tyr Gln Lys Ala Ala Glu Glu Thr
          35          40          45
Asn Met Glu Lys Lys Arg Ser Asn Thr Glu Asn Leu Ser Gln His Phe
          50          55          60
Arg Lys Gly Xaa Leu Thr Val Leu Lys Lys Lys Trp Glu Asn Gln Gly
65          70          75          80
Trp Glu Gln Ser Leu Thr Gln Thr
          85

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<210> 6155
<211> 183
<212> PRT
<213> Homo sapiens

<400> 6155

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Met Thr Gly Ala Pro His Arg Pro Leu Ala Asp His Arg Ala Ser His
1          5          10          15
Cys Gly Leu Arg His Ala Gly Ser His Arg His Gly His Cys Ile Gln
          20          25          30
Ser Ala Leu Ser Trp Thr Val Pro Pro Gln Cys Thr Pro Thr Leu Gln
          35          40          45
Ala Arg Gln Arg Thr Ala Ala Ala Thr Ser Pro Pro Asn
          50          55          60

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<210> 6156
<211> 231
<212> PRT
<213> Homo sapiens

<400> 6156

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Met Asp Leu Ala Gly Leu Leu Lys Ser Gln Phe Leu Cys His Leu Val
1          5          10          15
Phe Cys Tyr Val Phe Ile Ala Ser Gly Leu Ile Ile Xaa Thr Ile Gln
          20          25          30
Leu Phe Thr Leu Leu Leu Trp Pro Ile Asn Lys Gln Leu Phe Arg Lys
          35          40          45
Ile Asn Cys Arg Leu Ser Tyr Cys Ile Ser Ser Gln Leu Val Met Leu
          50          55          60
Leu Glu Trp Trp Ser Gly Thr Glu Cys Thr Ile Phe Thr
65          70          75

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<210> 6157
<211> 210
<212> PRT
<213> Homo sapiens

004220-6664560

<400> 6157

Met Leu Lys Cys Ala Val His Thr Arg Ser Gly Glu His Pro Ser Ser
1 5 10 15
Ile Gln Lys Gln Leu Gln Cys Cys Cys His His Pro Pro Val Cys Leu
20 25 30
Phe Lys Val Ser Cys Asp Ile Phe Ser Leu Val Arg Ser Gln Glu Leu
35 40 45
Val Ser Phe Leu Lys Arg Tyr Val Pro Gly Pro Gly Val Val Ala His
50 55 60
Ala Cys Asn Pro Ser Thr
65 70

<210> 6158

<211> 264

<212> PRT

<213> Homo sapiens

<400> 6158

Met Asp Asp Ala His Glu Ser Pro Ser Asp Lys Gly Gly Glu Thr Gly
1 5 10 15
Glu Ser Asp Glu Thr Ala Ala Val Pro Gly Asp Pro Gly Ala Thr Asp
20 25 30
Thr Asp Gly Ile Pro Glu Glu Thr Asp Gly Asp Ala Asp Val Asp Leu
35 40 45
Lys Glu Ala Ala Ala Glu Glu Gly Glu Leu Glu Ser Xaa Xaa Val Ser
50 55 60
Asp Leu Thr Thr Val Glu Arg Glu Asp Ser Ser Leu Leu Asn Pro Ala
65 70 75 80
Ala Lys Lys Thr Glu Asn Arg Tyr
85

<210> 6159

<211> 219

<212> PRT

<213> Homo sapiens

<400> 6159

Met Glu Ala Gln Thr Thr Leu Thr Thr Asn Asp Ile Val Ile Ser Lys
1 5 10 15
Leu Thr Gln Ile Leu Ser Tyr Leu Arg Gln Gly Thr Arg Asn Lys Lys
20 25 30
Leu Lys Lys Lys Asp Lys Gly Lys Leu Glu Glu Lys Lys Pro Pro Glu
35 40 45
Ala Asp Met Asn Ile Phe Glu Asp Ile Gly Asp Tyr Val Pro Ser Thr
50 55 60
Thr Lys Thr Pro Arg Asp Lys Glu Arg
65 70

<210> 6160

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6160

004220"66667560

Met Phe Arg Cys Gly Gly Leu Ala Ala Gly Ala Xaa Lys Gln Lys Leu
 1 5 10 15
 Val Pro Leu Val Arg Thr Val Cys Val Arg Ser Pro Xaa Xaa Arg Asn
 20 25 30
 Arg Leu Pro Gly Asn Leu Phe Gln Arg Trp His Val Pro Leu Glu Leu
 35 40 45
 Gln Met Thr Arg Gln Met Ala Ser Ser Gly Ala Ser Gly
 50 55 60

<210> 6161
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 6161
 Met Glu Leu Ile Ile Gly Lys Lys Phe Lys Leu Pro Val Trp Glu Thr
 1 5 10 15
 Ile Val Cys Thr Met Arg Glu Gly Glu Ile Ala Gln Phe Leu Cys Asp
 20 25 30
 Ile Lys His Val Val Leu Tyr Pro Leu Val Ala Lys Ser Leu Arg Asn
 35 40 45
 Ile Ala Val Gly Lys Asp Pro Leu Glu Gly Gln Arg His Cys Cys Gly
 50 55 60
 Val Ala Gln Met Arg Glu His Ser Ser Leu Gly His Ala Asp Leu Asp
 65 70 75 80
 Ala Leu Gln Gln Asn Pro Gln Pro Leu Ile Phe His Met Glu Met Leu
 85 90 95
 Lys Val Glu Ser Pro Gly Thr Tyr Gln Gln
 100 105

<210> 6162
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 6162
 Met Lys Arg Gly Ile Arg Arg Asp Pro Phe Arg Lys Arg Lys Leu Gly
 1 5 10 15
 Gly Arg Ala Lys Lys Val Arg Glu Pro Thr Ala Val Asn Ser Phe Tyr
 20 25 30
 Arg Glu Ala Ser Leu Pro Ser Val Trp Ala Ser Leu Arg Arg Arg Glu
 35 40 45
 Met Val Arg Ser Gly Ala Arg Pro Gly Gln Val Arg Ala Glu Asp Leu
 50 55 60
 Arg Ser Pro Xaa Trp Gly Trp Arg Gly Thr Gly Gly Phe Ser Gly Gln
 65 70 75 80
 Glu Leu Val Lys Leu Cys Ser Lys Lys Asp Lys Asp Asn Ala Ala Thr
 85 90 95
 Leu Lys Cys Trp Asp Arg Gly Ala Gly Asn Thr Asn Leu Pro Val Val
 100 105 110
 Thr

<210> 6163
 <211> 165

<212> PRT
 <213> Homo sapiens

<400> 6163
 Met Gly Pro Gln Val Cys Ala Pro Tyr Ser Pro Pro Ile Thr Tyr Gln
 1 5 10 15
 Arg Ala Leu Gln Glu Leu Leu Thr Asn Arg Leu Xaa Met Val Leu His
 20 25 30
 Ser Arg Ile Asn Cys Thr Ser Val Cys Ala Lys Ser Thr Arg His Trp
 35 40 45
 Arg Asn Ser Arg Asn Asn Thr
 50 55

<210> 6164
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 6164
 Met Phe Tyr His Ile Ser Leu Glu His Glu Ile Leu Leu His Pro Arg
 1 5 10 15
 Tyr Phe Gly Pro Asn Leu Leu Asn Thr Val Lys Gln Lys Leu Phe Thr
 20 25 30
 Glu Val Glu Gly Thr Cys Thr Gly Lys Tyr Gly Phe Val Ile Ala Val
 35 40 45
 Thr Thr Ile Asp Asn Ile Gly Ala Gly Val Ile Gln Pro Gly Arg Gly
 50 55 60
 Phe Val Leu Tyr Pro Val Lys Tyr Lys Ala Ile Val Phe Arg Pro Phe
 65 70 75 80
 Lys Gly Glu Val Val Asp Ala Val Val Thr Gln Val Asn Lys Val Gly
 85 90 95
 Leu Phe Thr Glu Ile Gly Pro Met Ser Cys Phe Ile Ser Arg His Ser
 100 105 110
 Ile Pro Ser Glu Arg Ser Leu Ile Leu Thr Pro Thr
 115 120

<210> 6165
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 6165
 Met Ala Gly Pro Glu Leu Leu Leu Asp Ser Asn Ile Arg Leu Trp Val
 1 5 10 15
 Val Leu Pro Ile Val Ile Ile Thr Phe Phe Val Gly Met Ile Arg His
 20 25 30
 Tyr Val Ser Ile Leu Leu Gln Ser Asp Lys Lys Leu Thr Gln Glu Gln
 35 40 45
 Val Ser Asp Ser Gln Val Leu Ile Arg Ser Arg
 50 55

<210> 6166
 <211> 156
 <212> PRT

<213> Homo sapiens

<400> 6166

Met Cys Leu Gly Thr Leu Arg Pro Thr Asn Asp Ser Ala Leu Met Glu
1 5 10 15
Gln Pro Ser Val Trp Gly Lys Val Leu Glu Val His Ser Phe Arg Lys
20 25 30
Pro Leu Thr Ser Leu Tyr His Ala Leu Ser Glu Lys Leu Arg Ile Arg
35 40 45
Lys Glu Gln Asp
50

<210> 6167

<211> 405

<212> PRT

<213> Homo sapiens

<400> 6167

Met Ser Leu Phe Asp Leu Phe Arg Gly Phe Phe Gly Phe Pro Gly Pro
1 5 10 15
Arg Ser His Arg Asp Pro Phe Phe Gly Gly Met Thr Arg Asp Glu Asp
20 25 30
Asp Asp Glu Glu Glu Glu Glu Gly Gly Ser Trp Gly Arg Gly Asn
35 40 45
Pro Arg Phe His Ser Pro Gln His Pro Pro Glu Glu Phe Gly Phe Gly
50 55 60
Phe Ser Phe Ser Pro Gly Gly Gly Ile Arg Phe His Asp Asn Phe Gly
65 70 75 80
Phe Asp Asp Leu Val Arg Asp Phe Asn Ser Ile Phe Ser Asp Met Gly
85 90 95
Ala Trp Thr Leu Pro Ser His Pro Pro Glu Leu Pro Gly Pro Glu Ser
100 105 110
Glu Thr Pro Gly Glu Arg Leu Arg Glu Gly Gln Thr Leu Arg Asp Ser
115 120 125
Met Leu Lys Tyr Pro Asp Ser
130 135

<210> 6168

<211> 285

<212> PRT

<213> Homo sapiens

<400> 6168

Met Ala Phe Asn Phe Gly Ala Pro Ser Gly Thr Ser Gly Thr Ala Ala
1 5 10 15
Ala Thr Ala Ala Pro Ala Xaa Gly Phe Gly Gly Phe Gly Thr Thr Ser
20 25 30
Thr Thr Ala Gly Ser Ala Phe Ser Phe Ser Ala Pro Thr Asn Thr Gly
35 40 45
Thr Thr Gly Leu Phe Gly Gly Thr Gln Asn Lys Gly Phe Gly Phe Gly
50 55 60
Thr Gly Phe Gly Thr Thr Thr Gly Thr Ser Thr Gly Leu Gly Thr Gly
65 70 75 80
Leu Gly Thr Gly Leu Gly Phe Gly Gly Phe Asn Thr Gln Gln Gln

85

90

95

<210> 6169

<211> 267

<212> PRT

<213> Homo sapiens

<400> 6169

Met Ala Ala Pro Ser Gly Thr Val Ser Asp Ser Glu Ser Ser Asn Ser
 1 5 10 15
 Ser Ser Asp Ala Glu Glu Leu Glu Arg Cys Arg Glu Ala Ala Met Pro
 20 25 30
 Ala Trp Gly Leu Glu Gln Arg Pro His Val Ala Gly Lys Pro Arg Ala
 35 40 45
 Gly Ala Ala Asn Ser Gln Leu Ser Thr Ser Gln Pro Ser Leu Arg His
 50 55 60
 Lys Val Asn Glu His Glu Gln Asp Gly Asn Glu Leu Gln Thr Thr Pro
 65 70 75 80
 Glu Phe Arg Ala His Val Ala Lys Lys
 85

<210> 6170

<211> 234

<212> PRT

<213> Homo sapiens

<400> 6170

Met Pro Gln Thr Pro Pro Phe Ser Ala Met Phe Asp Ser Ser Gly Tyr
 1 5 10 15
 Asn Arg Asn Leu Tyr Gln Ser Ala Glu Asp Ser Cys Gly Gly Leu Tyr
 20 25 30
 Tyr His Asp Asn Asn Leu Leu Ser Gly Ser Leu Glu Ala Leu Ile Gln
 35 40 45
 His Leu Val Pro Asn Val Asp Tyr Tyr Pro Asp Arg Thr Tyr Ile Phe
 50 55 60
 Thr Phe Leu Leu Ser Ser Arg Leu Phe Met His Pro Tyr Glu
 65 70 75

<210> 6171

<211> 300

<212> PRT

<213> Homo sapiens

<400> 6171

Met Gly Ala Gly Thr Ala Gly Glu Leu Pro Ala Asn Ser Val Ser Gly
 1 5 10 15
 Phe Phe Lys Arg Met Val Lys Ser Glu Ala Ser Asn Ala Ala Thr Ala
 20 25 30
 Tyr Phe Arg Pro Ala Arg Pro Leu Pro Ser Leu Val Thr Val Leu Gly
 35 40 45
 Leu Gly Tyr Phe Ala Trp Val Val Phe Trp Pro Gln Ser Ile Pro Xaa
 50 55 60
 Gln Asn Leu Gly Pro Leu Gly Pro Phe Thr Gln Tyr Leu Val Asp His
 65 70 75 80

His His Thr Leu Leu Cys Asn Gly Tyr Trp Leu Ala Trp Leu Ile His
 85 90 95
 Val Gly Glu Ser
 100

<210> 6172
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 6172
 Met Asp Cys Gln Glu Cys Pro Glu Gly Tyr Arg Val Thr Tyr Thr Pro
 1 5 10 15
 Met Ala Pro Gly Ser Tyr Leu Ile Ser Ile Lys Tyr Gly Gly Pro Tyr
 20 25 30
 His Ile Gly Gly Ser Pro Phe Lys Ala Lys Val Thr Gly Pro Arg Leu
 35 40 45
 Val Ser Asn His Ser
 50

<210> 6173
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 6173
 Met Val Gly Gln Leu Ala Ala Arg Arg Ala Ala Gly Val Val Leu Glu
 1 5 10 15
 Met Ile Arg Glu Gly Lys Ile Ala Gly Arg Ala Val Leu Ile Ala Gly
 20 25 30
 Gln Pro Gly Thr Gly Lys Thr Ala Ile Ala Met Gly Met Ala Gln Ala
 35 40 45
 Leu Gly Pro Asp Thr Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe
 50 55 60
 Ser Leu Glu Met Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg Arg
 65 70 75 80
 Ser Ile Gly Val Arg
 85

<210> 6174
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 6174
 Met Glu Glu Pro Xaa Val Arg Glu Glu Glu Glu Glu Gly Glu Glu
 1 5 10 15
 Asp Glu Glu Arg Asp Glu Val Gly Pro Glu Gly Ala Leu Gly Lys Ser
 20 25 30
 Pro Phe Gln Leu Thr Ala Glu Asp Val Tyr Asp Ile Ser Tyr Leu Leu
 35 40 45
 Gly Arg Glu Leu Met Ala Leu Gly Ser Asp Pro Arg Val Thr Gln Leu
 50 55 60
 Gln Xaa Lys Val Val Arg Val Leu Glu Met Leu Glu Ala Leu Val Asn

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65 70 75 80
 Glu Gly Ser Leu Ala Leu Glu Glu Leu Lys Met Glu Arg Asp His Leu
 85 90 95
 Arg Lys Glu Val Glu Gly
 100

<210> 6175
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 6175
 Met Ser Val Val Pro Pro Asn Arg Ser Gln Thr Gly Trp Pro Arg Gly
 1 5 10 15
 Val Thr Gln Phe Gly Asn Lys Tyr Ile Gln Gln Thr Lys Pro Leu Thr
 20 25 30
 Leu Glu Xaa Thr Ile Asn Leu Xaa Pro Leu Thr Asn Tyr Thr Phe Gly
 35 40 45
 Thr Lys Glu Pro Leu Tyr Glu Lys Asp Ser Ser Val Ala Ala Arg Phe
 50 55 60
 Gln Arg Met Arg Glu Glu Phe Asp Lys Ile Gly Met Arg Arg Thr Val
 65 70 75 80
 Glu Gly Val Leu Ile Val His Glu His Arg Leu Xaa His Val Leu Leu
 85 90 95
 Leu Gln Leu Gly Thr Thr Phe Phe Lys Leu Pro Gly Gly Glu Leu Asn
 100 105 110
 Pro Gly Glu Asp Glu
 115

<210> 6176
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 6176
 Met Thr Phe Lys Ile Phe Leu Leu Phe Ala Gly Leu Met Val Lys Val
 1 5 10 15
 Pro Val Gly Leu Tyr Phe Ser Cys Lys Leu Leu Leu Phe Gln Ser Leu
 20 25 30
 Met Leu Met Ser Pro Glu Asp Ser Gly Phe Tyr Ala Thr Ile Val Ala
 35 40 45
 Val Val Gly Leu His Val Val Leu Ala Ile Phe Val Phe
 50 55 60

<210> 6177
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 6177
 Met Ser Lys Thr Asn Lys Ser Lys Ser Gly Ser Arg Ser Ser Arg Ser
 1 5 10 15
 Arg Ser Ala Ser Arg Ser Arg Ser Arg Ser Phe Ser Lys Ser Arg Ser
 20 25 30

Arg Ser Arg Ser Leu Ser Arg Ser Arg Lys Arg Arg Leu Ser Ser Arg
 35 40 45
 Ser Arg Ser Arg Ser Tyr Ser Pro Ala His Asn Arg Glu Arg Asn
 50 55 60

<210> 6178
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 6178
 Met Ala Ala His His Arg Gln Asn Thr Ala Gly Arg Arg Lys Val Gln
 1 5 10 15
 Val Ser Tyr Val Ile Arg Asp Glu Val Glu Lys Tyr Asn Arg Asn Gly
 20 25 30
 Val Asn Ala Leu Xaa Xaa Asp Pro Ala Leu Xaa Arg Leu Phe Xaa Ala
 35 40 45
 Xaa Arg Asp Ser Ile Xaa Arg Ile Trp Ser Val Asn Gln His Lys Gln
 50 55 60
 Asp Pro Xaa Ile Ala Ser Xaa Xaa His His Thr Asp Trp Val Asn Asp
 65 70 75 80
 Ile Val Leu Cys Cys Asn Gly Glu Thr Leu
 85 90

<210> 6179
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6179
 Met Phe Thr Arg Ala Gln Val Arg Arg Ile Leu Gln Arg Val Pro Gly
 1 5 10 15
 Lys Gln Arg Phe Gly Ile Tyr Arg Phe Leu Pro Phe Phe Phe Val Leu
 20 25 30
 Gly Gly Thr Met Glu Trp Ile Met Ile Lys Val Arg Val Gly Gln Glu
 35 40 45
 Thr Phe Tyr Asp Val Tyr Arg Arg Lys
 50 55

<210> 6180
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 6180
 Met Ser Trp Glu Ser Gly Ala Gly Pro Gly Leu Gly Ser Gln Gly Met
 1 5 10 15
 Asp Leu Val Trp Ser Ala Trp Tyr Gly Lys Cys Val Lys Gly Lys Gly
 20 25 30
 Ser Leu Pro Leu Ser Ala His Gly Ile Val Val Ala Trp Leu Ser Arg
 35 40 45
 Ala Glu Trp Asp Gln Val Thr Val Tyr Leu Phe Cys Asp Asp His Lys
 50 55 60
 Leu Gln Arg Tyr Xaa Leu Thr Ala Ser Arg Cys

65

70

75

<210> 6181

<211> 171

<212> PRT

<213> Homo sapiens

<400> 6181

Met	Glu	Leu	Glu	Leu	Asp	Ala	Gly	Asp	Gln	Asp	Leu	Leu	Ala	Phe	Leu
1				5					10					15	
Leu	Glu	Glu	Ser	Gly	Asp	Leu	Gly	Thr	Ala	Pro	Asp	Glu	Ala	Val	Arg
			20					25					30		
Ala	Pro	Leu	Asp	Trp	Ala	Leu	Pro	Leu	Ser	Glu	Val	Pro	Ser	Asp	Trp
		35				40						45			
Glu	Val	Asp	Asp	Leu	Leu	Cys	Ser	Leu							
	50					55									

<210> 6182

<211> 369

<212> PRT

<213> Homo sapiens

<400> 6182

Met	Ala	Pro	Pro	Ser	Val	Phe	Ala	Glu	Val	Pro	Gln	Ala	Gln	Pro	Val
1				5					10					15	
Leu	Val	Phe	Lys	Leu	Thr	Ala	Asp	Phe	Arg	Glu	Asp	Pro	Asp	Pro	Arg
			20					25					30		
Lys	Val	Asn	Leu	Gly	Val	Gly	Ala	Tyr	Arg	Thr	Asp	Asp	Cys	His	Pro
		35				40						45			
Trp	Val	Leu	Pro	Val	Val	Lys	Lys	Val	Glu	Gln	Lys	Ile	Ala	Asn	Asp
	50					55					60				
Asn	Ser	Leu	Asn	His	Glu	Tyr	Leu	Pro	Ile	Leu	Gly	Leu	Ala	Glu	Phe
65				70					75					80	
Arg	Ser	Cys	Ala	Ser	Arg	Leu	Ala	Leu	Gly	Asp	Asp	Ser	Pro	Ala	Leu
			85						90					95	
Lys	Glu	Xaa	Arg	Val	Gly	Gly	Val	Gln	Ser	Leu	Gly	Gly	Thr	Gly	Ala
		100						105					110		
Leu	Arg	Ile	Gly	Ala	Asp	Phe	Leu	Ala	Arg	Trp					
		115						120							

<210> 6183

<211> 276

<212> PRT

<213> Homo sapiens

<400> 6183

Met	Ser	Arg	Tyr	Leu	Arg	Pro	Pro	Asn	Thr	Ser	Leu	Phe	Val	Arg	Asn
1				5					10					15	
Val	Ala	Asp	Asp	Thr	Arg	Ser	Glu	Asp	Leu	Arg	Arg	Glu	Phe	Gly	Arg
			20					25					30		
Tyr	Gly	Pro	Ile	Val	Asp	Val	Tyr	Val	Pro	Leu	Asp	Phe	Tyr	Thr	Arg
		35				40						45			
Arg	Pro	Arg	Gly	Phe	Ala	Tyr	Val	Gln	Phe	Glu	Asp	Val	Arg	Asp	Ala
	50					55					60				

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Glu Asp Ala Leu His Asn Leu Asp Arg Lys Trp Ile Cys Gly Arg Gln
 65 70 75 80
 Ile Glu Ile Gln Phe Ala Gln Gly Asp Arg Lys Thr
 85 90

<210> 6184
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 6184
 Met Ala Ser Ile Phe Ser Lys Leu Leu Thr Gly Arg Asn Ala Ser Leu
 1 5 10 15
 Leu Phe Ala Thr Met Gly Thr Ser Val Leu Thr Thr Gly Tyr Leu Leu
 20 25 30
 Asn Arg Gln Lys Val Cys Ala Glu Val Arg Glu Gln Pro Arg Leu Phe
 35 40 45
 Pro Pro Ser Ala Asp Tyr Pro Asp Leu Arg Lys His Asn Asn Cys Met
 50 55 60
 Ala Glu Cys Leu Thr Pro Ala Ile Tyr Ala Lys Leu Arg Asn Lys Val
 65 70 75 80
 Thr Pro Asn Gly Tyr Thr Leu Asp Gln Cys Ile Gln Thr Gly Val Asp
 85 90 95
 Asn Pro Gly His Pro Phe Ile Lys Thr Val Gly Met Val Ala Gly Asp
 100 105 110
 Glu Glu Ser Tyr Glu Val Phe
 115

<210> 6185
 <211> 411
 <212> PRT
 <213> Homo sapiens

<400> 6185
 Met Ala Pro Lys Phe Pro Asp Ser Val Glu Glu Leu Arg Ala Ala Gly
 1 5 10 15
 Asn Glu Ser Phe Arg Asn Gly Gln Tyr Ala Glu Ala Ser Ala Leu Tyr
 20 25 30
 Gly Arg Ala Leu Arg Val Leu Gln Ala Gln Gly Ser Ser Asp Pro Glu
 35 40 45
 Glu Glu Ser Val Leu Tyr Ser Asn Arg Ala Ala Cys His Leu Lys Asp
 50 55 60
 Gly Asn Cys Arg Asp Cys Ile Lys Asp Cys Thr Ser Ala Leu Ala Leu
 65 70 75 80
 Val Pro Xaa Xaa Ile Lys Pro Leu Leu Arg Arg Ala Ser Ala Tyr Glu
 85 90 95
 Ala Leu Glu Lys Tyr Pro Xaa Ala Tyr Val Asp Tyr Lys Thr Val Leu
 100 105 110
 Gln Ile Asp Asp Asn Val Thr Ser Ala Val Glu Xaa Ile Asn Arg Met
 115 120 125
 Thr Xaa Xaa Leu Met Asp Ser Leu Gly
 130 135

<210> 6186

<211> 375
 <212> PRT
 <213> Homo sapiens

<400> 6186
 Met Ala Leu Leu Arg Arg Pro Thr Val Ser Ser Asp Leu Glu Asn Ile
 1 5 10 15
 Asp Thr Gly Val Asn Ser Lys Val Lys Ser His Val Thr Ile Arg Arg
 20 25 30
 Thr Val Leu Glu Glu Ile Gly Asn Arg Val Thr Thr Arg Ala Ala Gln
 35 40 45
 Val Ala Lys Lys Ala Gln Asn Thr Lys Val Pro Val Gln Pro Thr Lys
 50 55 60
 Thr Thr Asn Val Asn Lys Gln Leu Lys Pro Thr Ala Ser Val Lys Pro
 65 70 75 80
 Val Gln Met Glu Lys Leu Ala Pro Lys Gly Pro Ser Pro Thr Pro Glu
 85 90 95
 Asp Val Ser Met Lys Glu Glu Asn Leu Cys Gln Ala Phe Ser Asp Ala
 100 105 110
 Leu Leu Cys Lys Ile Glu Asp Ile Asp Asn Glu Asp Trp
 115 120 125

<210> 6187
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 6187
 Met Ala Ala Pro Val Asp Leu Glu Leu Lys Lys Ala Phe Thr Glu Leu
 1 5 10 15
 Gln Ala Lys Val Ile Asp Thr Gln Gln Lys Val Lys Leu Ala Asp Ile
 20 25 30
 Gln Ile Glu Gln Leu Asn Arg Thr Lys Lys His Ala His Leu Thr Asp
 35 40 45
 Thr Glu Ile Met Thr Leu Val Asp Glu Thr Asn Met Tyr Glu Gly Val
 50 55 60
 Gly Arg Met Phe Ile Leu Gln Ser Lys Glu Ala Ile His Ser Gln Pro
 65 70 75 80
 Asn Thr

<210> 6188
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6188
 Met Ala Gln Gly Leu Ile Glu Val Glu Arg Lys Phe Leu Pro Gly Pro
 1 5 10 15
 Gly Thr Glu Glu Arg Leu Gln Glu Leu Gly Gly Thr Leu Glu Tyr Arg
 20 25 30
 Val Thr Phe Arg Asp Thr Tyr Tyr Asp Xaa Pro Glu Leu Ser Leu Met
 35 40 45
 Gln Ala Asp His Trp Leu Arg Arg Arg
 50 55

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<210> 6189
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 6189
 Met Trp Arg Ala Lys Leu Arg Arg Gly Thr Cys Glu Pro Ala Val Lys
 1 5 10 15
 Val Glu Asp Pro Leu Cys Asn Phe His Ser Pro Asn Phe Leu Arg Ile
 20 25 30
 Ser Glu Val Glu Met Arg Gly Ser Glu Asp Ala Ala Ala Gly Thr Val
 35 40 45
 Leu Gln Arg Leu Ile Gln Glu Gln Leu Arg Tyr Gly Thr Pro Thr Glu
 50 55 60
 Asn Met Asn Leu Leu Xaa Ile Gln His Gln Ala Gln Gly Val Gln Ala
 65 70 75 80
 Ser His Pro

<210> 6190
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 6190
 Met Ala Gln Ala Asp Ile Ala Leu Ile Gly Leu Ala Val Met Gly Gln
 1 5 10 15
 Asn Leu Ile Leu Asn Met Asn Asp His Gly Phe Val Val Cys Ala Phe
 20 25 30
 Asn Arg Thr Val Ser Lys Val Asp Asp Phe Leu Ala Asn Glu Ala Lys
 35 40 45
 Gly Thr Lys Val Val Gly Ala Gln Ser Leu Lys Glu Met Val Ser Lys
 50 55 60
 Leu Lys Lys Pro Arg Arg Ile Ile Leu Leu Val Lys Ala Gly Gln Ala
 65 70 75 80
 Val Asp Asp Phe Ile Glu Lys Leu Val Pro Leu Leu Asp Thr Gly Asp
 85 90 95
 Ile Ile Ile Asp Gly
 100

<210> 6191
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 6191
 Met Gly Arg Ser Gly Lys Leu Pro Ser Gly Val Ser Ala Lys Leu Lys
 1 5 10 15
 Arg Trp Lys Lys Gly His Ser Ser Asp Ser Asn Pro Ala Ile Cys Arg
 20 25 30
 His Arg Gln Ala Ala Arg Ser Arg Phe Phe Ser Arg Pro Ser Gly Arg
 35 40 45
 Ser Asp Leu Thr Val Asp Ala Val Lys Leu His Asn Glu Leu Gln Ser
 50 55 60

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Gly Ser Leu Arg Leu Gly Lys Ser Glu Pro Arg Arg
65 70 75

<210> 6192
<211> 186
<212> PRT
<213> Homo sapiens

<400> 6192
Met Ser Leu Ile Cys Ser Ile Ser Asn Glu Val Pro Glu His Pro Cys
1 5 10 15
Val Ser Pro Val Ser Asn His Val Tyr Glu Arg Arg Leu Ile Glu Lys
20 25 30
Tyr Ile Ala Glu Asn Gly Thr Asp Pro Ile Asn Asn Gln Pro Leu Ser
35 40 45
Glu Glu Gln Leu Ile Asp Ile Lys Val Ala His Pro Ile Arg
50 55 60

<210> 6193
<211> 255
<212> PRT
<213> Homo sapiens

<400> 6193
Met Ser Gly His Arg Ser Thr Arg Lys Arg Cys Gly Asp Ser His Pro
1 5 10 15
Glu Ser Pro Val Gly Phe Gly His Met Ser Thr Thr Gly Cys Val Leu
20 25 30
Asn Lys Leu Phe Gln Leu Pro Thr Pro Pro Leu Ser Arg His Gln Leu
35 40 45
Lys Arg Leu Glu Glu His Arg Tyr Gln Ser Ala Gly Arg Ser Leu Leu
50 55 60
Glu Pro Leu Met Gln Gly Tyr Trp Glu Xaa Leu Val Arg Glu Phe Pro
65 70 75 80
Pro Gly Leu Pro Lys
85

<210> 6194
<211> 402
<212> PRT
<213> Homo sapiens

<400> 6194
Met Ala Thr Pro Met His Arg Leu Ile Ala Arg Arg Gln Ala Phe Asp
1 5 10 15
Thr Glu Leu Gln Pro Val Lys Thr Phe Trp Ile Leu Ile Gln Pro Ser
20 25 30
Ile Val Ile Ser Glu Ala Asn Lys Gln His Val Arg Cys Gln Lys Cys
35 40 45
Leu Glu Phe Gly His Trp Thr Tyr Glu Cys Thr Gly Lys Arg Lys Tyr
50 55 60
Leu His Arg Pro Ser Arg Thr Ala Glu Leu Lys Lys Ala Leu Lys Glu
65 70 75 80
Lys Glu Asn Arg Leu Leu Leu Gln Gln Ser Ile Gly Glu Thr Asn Val

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Tyr Thr Ile Cys Phe Leu Pro Pro Leu Val Leu Asn Phe
65 70 75

<210> 6198
<211> 162
<212> PRT
<213> Homo sapiens

<400> 6198
Met Ser Ser Tyr Gln Lys Glu Leu Glu Lys Tyr Arg Asp Ile Asp Glu
1 5 10 15
Asp Glu Ile Leu Arg Thr Leu Ser Pro Glu Glu Leu Glu Gln Leu Asp
20 25 30
Cys Glu Leu Gln Glu Met Asp Pro Glu Asn Met Leu Leu Pro Ala Gly
35 40 45
Leu Arg Gln Arg Asp Gln
50

<210> 6199
<211> 222
<212> PRT
<213> Homo sapiens

<400> 6199
Met Gly Arg Gly Ala Gly Arg Glu Tyr Ser Pro Ala Ala Thr Thr Ala
1 5 10 15
Glu Asn Gly Gly Gly Lys Lys Lys Gln Lys Glu Lys Glu Leu Asp Glu
20 25 30
Leu Lys Lys Glu Val Ala Met Asp Asp His Lys Leu Ser Leu Asp Glu
35 40 45
Leu Gly Arg Lys Tyr Gln Val Asp Leu Ser Lys Gly Leu Thr Asn Gln
50 55 60
Arg Ala Gln Asp Val Leu Ala Arg Xaa Gly
65 70

<210> 6200
<211> 174
<212> PRT
<213> Homo sapiens

<400> 6200
Met Cys His Thr Gly Ile Thr Ser Gly Asn Phe Val Phe Lys His Leu
1 5 10 15
Glu Ile Lys Gln Phe Leu Thr His Lys Pro Val Leu Thr His Arg Val
20 25 30
Met Gly Ile Glu Ala Lys His Thr His Asn Tyr Lys Tyr Ser Leu Glu
35 40 45
Lys Cys Asn Ile Leu Arg Lys Ser Arg Ser
50 55

<210> 6201
<211> 339
<212> PRT
<213> Homo sapiens

<400> 6201

Met Ala Ser Arg Gly Arg Arg Pro Glu His Gly Gly Pro Pro Glu Leu
1 5 10 15
Phe Tyr Asp Glu Thr Glu Ala Arg Lys Tyr Val Arg Asn Ser Arg Met
20 25 30
Ile Asp Ile Gln Thr Arg Met Ala Gly Arg Ala Leu Glu Leu Leu Tyr
35 40 45
Leu Pro Glu Asn Lys Pro Cys Tyr Leu Leu Asp Ile Gly Cys Gly Thr
50 55 60
Gly Leu Ser Gly Ser Tyr Leu Ser Asp Glu Gly His Tyr Trp Val Gly
65 70 75 80
Leu Asp Ile Ser Pro Ala Met Leu Asp Glu Ala Val Asp Arg Glu Ile
85 90 95
Glu Gly Asp Leu Leu Leu Gly Asp Met Gly Gln Gly Ile Pro Phe Lys
100 105 110
Pro

<210> 6202

<211> 243

<212> PRT

<213> Homo sapiens

<400> 6202

Met Phe Xaa Xaa Pro Ala Met Leu Ala Lys Phe Arg Val Ala Arg Leu
1 5 10 15
Tyr Gly Lys Ile Ile Thr Ala Asp Pro Lys Lys Glu Leu Glu Asn Leu
20 25 30
Ala Thr Ser Leu Glu His Tyr Lys Phe Ile Val Asp Tyr Cys Glu Lys
35 40 45
His Pro Glu Ala Ala Gln Glu Ile Glu Val Glu Leu Glu Leu Ser Lys
50 55 60
Glu Met Val Ser Leu Leu Pro Thr Lys Met Glu Arg Phe Arg Thr Lys
65 70 75 80
Thr

<210> 6203

<211> 186

<212> PRT

<213> Homo sapiens

<400> 6203

Met Ser Arg Val Ala Lys Tyr Arg Arg Gln Val Ser Glu Asp Pro Asp
1 5 10 15
Ile Asp Ser Leu Leu Glu Thr Leu Ser Pro Glu Glu Met Glu Glu Leu
20 25 30
Glu Lys Glu Leu Asp Val Val Asp Pro Asp Gly Ser Val Pro Val Gly
35 40 45
Leu Arg Gln Arg Asn Gln Thr Glu Lys Gln Ser Thr Gly Val
50 55 60

<210> 6204

<211> 228

<212> PRT

<213> Homo sapiens

<400> 6204

Met Ile Gly Pro Met Arg Pro Glu Gln Phe Ser Asp Glu Val Glu Pro
1 5 10 15
Ala Thr Pro Glu Glu Gly Glu Pro Ala Thr Gln Xaa Gln Asp Pro Ala
20 25 30
Ala Ala Gln Xaa Gly Glu Asp Glu Gly Ala Ser Ala Gly Gln Gly Pro
35 40 45
Lys Pro Glu Ala His Ser Gln Glu Gln Gly His Pro Gln Thr Gly Cys
50 55 60
Glu Cys Glu Asp Gly Pro Asp Gly Gln Glu Met Xaa
65 70 75

<210> 6205

<211> 186

<212> PRT

<213> Homo sapiens

<400> 6205

Met Ser Ser Lys Met Val Ile Ser Glu Pro Gly Leu Asn Trp Asp Ile
1 5 10 15
Ser Pro Lys Asn Gly Leu Lys Thr Phe Phe Ser Arg Glu Asn Tyr Lys
20 25 30
Asp His Ser Met Ala Pro Ser Leu Lys Glu Leu Arg Val Leu Ser Asn
35 40 45
Arg Glu Ser Arg Gly Val Met Trp Thr Cys Trp Leu Asn Thr
50 55 60

<210> 6206

<211> 171

<212> PRT

<213> Homo sapiens

<400> 6206

Met Arg Phe Leu Thr Leu Gly Arg Asn Val Arg Arg Arg Asn Met Ser
1 5 10 15
Thr Gln Glu Leu Thr Gln Leu Asn Phe Thr Val Ala Ile Asp Phe Thr
20 25 30
Ala Ser Asn Gly Asn Pro Leu Gln Pro Thr Ser Leu His Tyr Met Ser
35 40 45
Pro Tyr Gln Leu Ser Ala Tyr Ala Met
50 55

<210> 6207

<211> 288

<212> PRT

<213> Homo sapiens

<400> 6207

Met Glu Phe Pro Gly Gly Asn Asp Asn Tyr Leu Thr Ile Thr Gly Pro
1 5 10 15
Ser His Pro Phe Leu Ser Gly Ala Glu Thr Phe His Thr Pro Ser Leu
20 25 30

Gly Asp Glu Glu Phe Glu Ile Pro Pro Ile Ser Leu Asp Ser Asp Pro
 35 40 45
 Ser Leu Ala Val Ser Asp Val Val Gly His Phe Asp Asp Leu Ala Asp
 50 55 60
 Pro Ser Ser Ser Gln Asp Gly Ser Phe Ser Ala Gln Tyr Gly Val Gln
 65 70 75 80
 Thr Leu Asp Met Pro Val Gly Met Thr His Gly Leu Met Glu Ala Gly
 85 90 95

<210> 6208
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 6208
 Met Ser Glu Glu Ile Ile Thr Pro Val Tyr Cys Thr Gly Val Ser Ala
 1 5 10 15
 Gln Val Gln Lys Gln Arg Ala Arg Glu Leu Gly Leu Gly Arg His Glu
 20 25 30
 Asn Ala Ile Lys Tyr Leu Gly Gln Asp Tyr Glu Gln Leu Arg Val Arg
 35 40 45
 Cys Leu Gln Ser Gly Thr Leu Phe Arg Asp Glu Ala Phe Pro Pro Val
 50 55 60
 Pro Gln Ser Leu Gly Tyr Lys Asp Leu Gly Pro Asn Ser Ser Lys Thr
 65 70 75 80
 Tyr Gly Ile Lys Trp Lys Arg Pro Thr Glu Leu Leu Ser Asn Pro Gln
 85 90 95
 Phe Ile Val Asp Gly Ala Thr Arg Thr Asp Ile Cys Gln Gly
 100 105 110

<210> 6209
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 6209
 Met Ser Glu Glu Ile Ile Thr Pro Val Tyr Cys Thr Gly Val Ser Ala
 1 5 10 15
 Gln Val Gln Lys Gln Arg Ala Arg Glu Leu Gly Leu Gly Arg His Glu
 20 25 30
 Asn Ala Ile Lys Tyr Leu Gly Gln Asp Tyr Glu Gln Leu Arg Val Arg
 35 40 45
 Cys Leu Gln Ser Gly Thr Leu Phe Arg Asp Glu Ala Phe Pro Pro Val
 50 55 60
 Pro Gln Ser Leu Gly Tyr Lys Asp Leu Gly Pro Asn Ser Ser Lys Thr
 65 70 75 80
 Tyr Gly Ile Lys Trp Lys Arg Pro Thr Glu Leu Leu Ser Asn Pro Gln
 85 90 95
 Phe Ile Val Asp Gly Ala Thr Arg Thr Asp Ile Cys Gln Gly
 100 105 110

<210> 6210
 <211> 408
 <212> PRT

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<213> Homo sapiens

<400> 6210

Met Ala Pro Leu Gly Gly Ala Pro Arg Leu Val Leu Leu Phe Ser Xaa
1 5 10 15
Lys Arg Lys Ser Gly Lys Asp Phe Val Thr Xaa Ala Leu Gln Ser Arg
20 25 30
Leu Gly Ala Asp Val Cys Ala Val Leu Arg Leu Ser Gly Pro Leu Lys
35 40 45
Glu Gln Tyr Ala Gln Glu His Gly Leu Asn Phe Gln Arg Leu Leu Asp
50 55 60
Thr Ser Thr Tyr Lys Glu Ala Phe Arg Lys Asp Met Ile Arg Trp Gly
65 70 75 80
Glu Glu Lys Arg Gln Ala Xaa Xaa Gly Phe Phe Cys Arg Lys Ile Val
85 90 95
Glu Gly Ile Ser Gln Pro Ile Trp Leu Val Ser Asp Thr Arg Arg Val
100 105 110
Ser Asp Ile Gln Trp Phe Arg Glu Ala Tyr Gly Ala Val Thr Gln Thr
115 120 125
Val Arg Val Val Ala Leu Glu Arg
130 135

<210> 6211

<211> 309

<212> PRT

<213> Homo sapiens

<400> 6211

Met Asp Val Thr Lys Pro Asp Leu Ser Ala Ala Leu Lys Asp Ile Arg
1 5 10 15
Ala Gln Tyr Glu Lys Leu Ala Ala Lys Asn Met Gln Asn Ala Glu Glu
20 25 30
Trp Phe Lys Ser Arg Phe Thr Val Leu Thr Glu Ser Ala Ala Lys Asn
35 40 45
Thr Asp Ala Val Arg Ala Ala Lys Asp Glu Val Ser Glu Ser Arg Arg
50 55 60
Leu Leu Lys Ala Lys Thr Leu Glu Ile Glu Ala Cys Arg Gly Met Asn
65 70 75 80
Glu Ala Leu Glu Lys Gln Leu Gln Glu Xaa Glu Asp Lys Gln Asn Ala
85 90 95
Asp Ile Ser Ala Met Gln Asp
100

<210> 6212

<211> 195

<212> PRT

<213> Homo sapiens

<400> 6212

Met Glu Asp Glu Glu Arg Gln Lys Lys Leu Glu Ala Gly Lys Ala Lys
1 5 10 15
Leu Ala Gln Phe Arg Gln Arg Lys Ala Gln Ser Asp Gly Gln Ser Pro
20 25 30
Ser Lys Lys Gln Lys Lys Lys Arg Lys Thr Ser Ser Ser Lys His Asp

35 40 45
Val Ser Ala His His Asp Leu Asn Ile Asp Gln Ser Gln Cys Asn Glu
50 55 60
Met
65

<210> 6213
<211> 264
<212> PRT
<213> Homo sapiens

<400> 6213
Met Ala Ala Ala Val Ala Met Glu Thr Asp Asp Ala Gly Asn Arg Leu
1 5 10 15
Arg Phe Gln Leu Glu Leu Glu Phe Val Gln Cys Leu Ala Asn Pro Asn
20 25 30
Tyr Leu Asn Phe Leu Ala Gln Arg Gly Tyr Phe Lys Asp Lys Ala Phe
35 40 45
Val Asn Xaa Leu Lys Tyr Leu Leu Tyr Trp Glu Asp Pro Glu Tyr Ala
50 55 60
Lys Tyr Leu Lys Xaa Pro Gln Cys Leu His Met Leu Glu Leu Leu Gln
65 70 75 80
Tyr Glu His Phe Arg Lys Glu Leu
85

<210> 6214
<211> 285
<212> PRT
<213> Homo sapiens

<400> 6214
Met Pro Gly Gln Gly Gly Ala Ser Gly Gly Asp Arg Ala Gly Ala Arg
1 5 10 15
Ala Ala Pro Xaa Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala
20 25 30
Leu Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu
35 40 45
Gln Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg
50 55 60
Ala Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu
65 70 75 80
Leu Glu Glu Gln Leu Thr Arg Trp Arg Arg Arg Gly His Gly
85 90 95

<210> 6215
<211> 231
<212> PRT
<213> Homo sapiens

<400> 6215
Met Ala Asp Phe Asp Thr Tyr Asp Asp Arg Ala Tyr Ser Ser Phe Gly
1 5 10 15
Gly Gly Arg Gly Ser Arg Gly Ser Ala Gly Gly His Gly Ser Arg Ser
20 25 30

Gln Lys Glu Leu Pro Thr Glu Pro Pro Tyr Thr Ala Tyr Val Gly Asn
 35 40 45
 Leu Pro Phe Asn Thr Val Gln Gly Asp Ile Asp Ala Ile Phe Lys Asp
 50 55 60
 Leu Ser Ile Arg Ser Val Arg Leu Val Arg Xaa Lys Asp
 65 70 75

<210> 6216

<211> 294

<212> PRT

<213> Homo sapiens

<400> 6216

Met Val Gln Glu His Pro Leu Pro Ile Gly Ala Pro Gly Leu Arg Leu
 1 5 10 15
 Val Leu Pro Lys Ser His Arg Leu His His Gly Pro Ala Xaa Asp Asp
 20 25 30
 Gln Asp Leu Thr Arg Met Ile His Ile Leu Asp Thr Glu His Pro Trp
 35 40 45
 Asp Leu His Ser Xaa Pro Ser Glu His His Glu Ala Ile Thr Cys Leu
 50 55 60
 Glu Trp Asp Gln Ser Gly Ser Arg Leu Leu Ser Ala Asp Ala Asp Gly
 65 70 75 80
 Gln Ile Lys Cys Trp Ser Xaa Ala Thr Xaa Trp Leu Ile Ala Gly Arg
 85 90 95
 Ala Gln

<210> 6217

<211> 351

<212> PRT

<213> Homo sapiens

<400> 6217

Met Ala Ala Pro Gly Leu Arg Leu Gly Ala Gly Arg Leu Phe Glu Met
 1 5 10 15
 Pro Ala Val Leu Glu Arg Leu Ser Arg Tyr Asn Ser Thr Ser Gln Ala
 20 25 30
 Phe Ala Glu Val Leu Arg Leu Pro Lys Gln Gln Leu Arg Lys Leu Leu
 35 40 45
 Tyr Pro Leu Gln Glu Val Glu Arg Phe Leu Ala Pro Tyr Gly Arg Gln
 50 55 60
 Asp Leu His Leu Arg Ile Phe Asp Pro Ser Pro Xaa Asp Ile Ala Arg
 65 70 75 80
 Ala Asp Asn Ile Phe Thr Ala Thr Glu Arg Asn Arg Ile Asp Tyr Val
 85 90 95
 Ser Ser Ala Val Arg Ile Xaa His Ala Pro Asp Leu Pro Arg Pro Glu
 100 105 110
 Val Cys Phe Ile Gly
 115

<210> 6218

<211> 342

<212> PRT

<213> Homo sapiens

<400> 6218

Met Glu Lys Glu Ala Thr Glu Lys Leu Arg Lys Leu Leu Ala Ser Gln
 1 5 10 15
 Ser Ser Gly Leu Arg Gly Leu Trp Asp Cys Leu Pro Ala Asp Leu Val
 20 25 30
 Gly Glu Arg Ser Ala Gln Ser Lys Ala Ala Glu Ser Leu Glu Glu Leu
 35 40 45
 Arg Ala Cys Ile Ser Thr Leu Val Asp Arg His Arg Glu Ala Gln Gln
 50 55 60
 Val Leu Ala Arg Leu Gln Glu Glu Asn Gln Gln Leu Arg Gly Ser Leu
 65 70 75 80
 Ser Pro Cys Arg Glu Pro Gly Thr Ser Leu Lys Ala Pro Ala Ser Pro
 85 90 95
 Gln Val Ala Xaa Xaa Glu Gln Asp Leu Gly Lys Leu Glu Glu Glu Leu
 100 105 110
 Arg Ala

<210> 6219

<211> 192

<212> PRT

<213> Homo sapiens

<400> 6219

Met Ala Glu Asp Gly Leu Pro Lys Ile Tyr Ser His Pro Pro Thr Glu
 1 5 10 15
 Ser Ser Lys Thr Pro Xaa Ala Ala Thr Ile Phe Phe Gly Ala Asp Asn
 20 25 30
 Ala Ile Pro Lys Ser Glu Thr Thr Ile Thr Ser Glu Gly Asp His Val
 35 40 45
 Thr Ser Val Asn Glu Tyr Met Leu Glu Ser Asp Phe Ser Thr Thr Thr
 50 55 60

<210> 6220

<211> 171

<212> PRT

<213> Homo sapiens

<400> 6220

Met Thr Ala Phe Gly Leu Gly Ile Pro Thr Phe Leu Val Met Gln Pro
 1 5 10 15
 Ser Gly Ser Gln Pro Arg Phe Pro Xaa Leu Thr Gln Asn Gly Val Ala
 20 25 30
 Leu Val Arg Thr Pro Leu Thr Ser Val Tyr Leu Arg Val Arg Pro Ile
 35 40 45
 Leu Pro Ala Gly Leu Cys Leu Gly Val
 50 55

<210> 6221

<211> 213

<212> PRT

<213> Homo sapiens

<400> 6221

Met Thr Ala Asn Arg Leu Ala Glu Ser Leu Leu Ala Leu Ser Gln Gln
 1 5 10 15
 Glu Glu Leu Ala Asp Leu Pro Lys Asp Tyr Leu Leu Ser Glu Ser Glu
 20 25 30
 Asp Glu Gly Asp Asn Asp Gly Glu Arg Lys His Gln Lys Leu Leu Glu
 35 40 45
 Ala Ile Ser Ser Leu Asp Gly Lys Asn Arg Arg Lys Leu Ala Glu Arg
 50 55 60
 Ser Glu Ala Ser Leu Lys Val
 65 70

<210> 6222
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 6222
 Met Met Leu Gly Ser Leu Ala Pro Asp Pro Gly Ser Arg Arg His Ser
 1 5 10 15
 Gly Gln Ala Ala Leu Arg Pro Arg Arg Tyr Pro Thr Leu Trp Asp Arg
 20 25 30
 Cys Arg Lys Arg Trp Leu Arg Pro Ile Phe Thr Gln Leu Leu Ala Ala
 35 40 45
 Val Trp Leu Thr
 50

<210> 6223
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 6223
 Met Leu Ile Phe Glu Gln Tyr Arg Gly Leu Arg Asp Gln Asp Thr Ser
 1 5 10 15
 Leu Pro Ile Ser Leu Ile Gly Ile Pro Thr Phe Phe Gln Met Pro Lys
 20 25 30
 Ile His Ile Arg Asn Ile Ile Gln Ile Cys Val Ile Leu Tyr Ile Tyr
 35 40 45
 Ile Gln Asn Ser Lys Trp Phe Leu Lys Ile Ile Ala Ile Phe Gln
 50 55 60

<210> 6224
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 6224
 Met Gln Gln Gly Gln Lys Arg Gly Glu Met Lys Pro Val Ala Ala Gly
 1 5 10 15
 Ala Ala Ala Pro Pro Gly Glu Gly Ile Ser Ala Ala Pro Thr Val Glu
 20 25 30
 Pro Ser Ser Gly Glu Ala Glu Gly Gly Glu Ala Asn Xaa Val Asp Val
 35 40 45
 Ser Gly Gly Leu Glu Thr Glu Ser Ser Asn Gly Lys Asp Thr Leu Glu

50 55 60
 Gly Ala Gly Asp Thr Ser Glu Val Met Asp Thr Gln Ala Gly Ser Val
 65 70 75 80
 Asp Glu Glu Asn Gly Arg Gln Leu Gly Glu Val Glu Leu Gln Cys Gly
 85 90 95
 Ile Cys Thr Asn Gly Ser Arg
 100

<210> 6225
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 6225
 Met Gly Lys Lys Gly Lys Lys Glu Lys Lys Gly Arg Gly Ala Glu Lys
 1 5 10 15
 Thr Ala Ala Lys Met Glu Lys Lys Val Ser Lys Arg Ser Arg Lys Glu
 20 25 30
 Glu Glu Asp Leu Glu Ala Leu Ile Ala His Phe Gln Thr Leu Asp Ala
 35 40 45
 Lys Arg Thr Gln Thr Val Glu Leu Pro Cys Pro Pro Pro Ser Pro Arg
 50 55 60
 Leu Asn Ala Ser Leu Ser Val His Pro Glu Lys Asp Glu Leu Ile Leu
 65 70 75 80
 Phe Gly Val Asn Ile Ser Thr
 85

<210> 6226
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 6226
 Met Arg Xaa Xaa Ser Xaa Xaa Thr Leu Asp Tyr Pro Pro Phe Phe Ala
 1 5 10 15
 Trp Phe Glu Tyr Ile Leu Ser His Val Ala Lys Tyr Phe Asp Gln Glu
 20 25 30
 Met Leu Asn Val His Asn Leu Asn Tyr Ser Ser Ser Arg Thr Leu Leu
 35 40 45
 Phe Gln Arg Phe Ser Val Ile Phe Met Asp Val Leu Phe Val Tyr Ala
 50 55 60
 Val Arg Glu Cys Cys Lys Cys Ile Asp Gly Lys Lys Val Gly Lys Xaa
 65 70 75 80
 Thr Tyr Arg Lys Xaa Gln Asn Leu Phe Cys Arg Tyr Tyr
 85 90

<210> 6227
 <211> 414
 <212> PRT
 <213> Homo sapiens

<400> 6227
 Met Ala Ala Glu Ala Asp Gly Pro Leu Lys Arg Leu Leu Val Pro Ile
 1 5 10 15

Leu Leu Pro Glu Lys Cys Tyr Asp Gln Leu Phe Val Gln Trp Asp Leu
 20 25 30
 Leu His Val Pro Cys Leu Lys Ile Leu Leu Ser Lys Gly Leu Gly Leu
 35 40 45
 Gly Ile Val Ala Gly Ser Leu Leu Val Lys Leu Pro Gln Val Phe Lys
 50 55 60
 Ile Leu Gly Ala Lys Ser Ala Glu Gly Leu Ser Leu Gln Ser Val Met
 65 70 75 80
 Leu Glu Leu Val Ala Leu Thr Gly Thr Met Val Tyr Ser Ile Thr Asn
 85 90 95
 Asn Phe Pro Phe Ser Ser Trp Gly Glu Ala Leu Phe Leu Met Leu Gln
 100 105 110
 Thr Ile Thr Ile Cys Phe Leu Val Met His Tyr Arg Gly Gln Thr Val
 115 120 125
 Lys Gly Val Ala Phe Leu Ala Cys Tyr Gly
 130 135

<210> 6228
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 6228
 Met Ser Lys Arg His Arg Leu Asp Leu Gly Glu Asp Tyr Pro Ser Gly
 1 5 10 15
 Lys Lys Arg Ala Gly Thr Asp Gly Lys Asp Arg Asp Arg Asp Arg Asp
 20 25 30
 Arg Glu Asp Arg Ser Lys Asp Arg Asp Arg Glu Arg Asp Arg Gly Asp
 35 40 45
 Arg Glu Arg Glu Arg Glu Lys Glu Lys Glu Lys Glu Leu Arg Ala Ser
 50 55 60
 Thr Asn Ala Met Leu Ile Ser Ala Gly Leu Pro Pro Leu Lys Ala Ser
 65 70 75 80
 His Ser Ala His Ser Thr His Ser Ala His Ser Thr His Ser Thr His
 85 90 95
 Ser Ala His Ser Thr His Ala Gly His Ala Gly His Thr
 100 105

<210> 6229
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 6229
 Met Ala Thr Thr Ala Ala Pro Ala Gly Gly Ala Arg Asn Gly Ala Gly
 1 5 10 15
 Pro Glu Trp Gly Gly Phe Glu Glu Asn Ile Gln Gly Gly Gly Ser Ala
 20 25 30
 Val Ile Asp Met Glu Asn Met Asp Asp Thr Ser Gly Ser Ser Phe Glu
 35 40 45
 Asp Met Gly Glu Leu His Xaa Arg Leu Arg Glu Glu Glu Val Asp Ala
 50 55 60
 Asp Ala Ala Asp Ala
 65

<210> 6230
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 6230
 Met Ala Asp Asp Leu Gly Asp Glu Trp Trp Glu Asn Gln Pro Thr Gly
 1 5 10 15
 Ala Gly Ser Ser Pro Glu Ala Ser Asp Gly Glu Gly Glu Gly Asp Thr
 20 25 30
 Glu Val Met Gln Gln Glu Thr Val Pro Val Pro Val Pro Ser Glu Lys
 35 40 45
 Thr Lys Gln Pro Lys Glu Cys Phe Leu Ile Gln Pro Lys Glu Arg Lys
 50 55 60
 Glu Asn Thr Thr Lys Thr Arg Lys Arg Arg Lys Lys Lys Ile Thr Xaa
 65 70 75 80
 Val Leu Ala Lys Ser Glu Pro
 85

<210> 6231
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 6231
 Met Gly Ser Gln Ala Ala Glu Trp Arg Asn Trp Ala Ser Trp Glu
 1 5 10 15
 Val Ser Ser Ser Leu Ser Gly Cys Ser Met Gly Cys Xaa Lys Asp Asp
 20 25 30
 Arg Ile Val Phe Trp Thr Trp Met Phe Ser Thr Tyr Phe Met Glu Lys
 35 40 45
 Trp Ala Pro Arg Gln Asp Asp Met Leu Phe Tyr Val Arg Arg Lys Leu
 50 55 60
 Ala Xaa Ser Gly Ser Glu Ser Xaa Ala Asp
 65 70

<210> 6232
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 6232
 Met Pro Gly Leu Ser Cys Arg Phe Tyr Gln His Lys Phe Pro Glu Val
 1 5 10 15
 Glu Asp Val Val Met Val Asn Val Arg Ser Ile Ala Glu Met Gly Ala
 20 25 30
 Tyr Val Ser Leu Leu Glu Tyr Asn Asn Ile Glu Gly Met Ile Leu Leu
 35 40 45
 Ser Glu Leu Ser Arg Arg Arg Ile Arg Ser Ile Asn Lys Leu Ile Arg
 50 55 60
 Ile Gly Arg Asn Glu Cys Val Val Val Ile Arg Val Asp Lys Glu Lys
 65 70 75 80
 Gly Tyr Ile Asp Leu Ser Lys Arg Arg Val Ser Pro Glu Glu Ala Ile

85 90 95
 Lys Cys Glu Asp Lys Phe Thr Lys Ser Lys Thr Val Tyr
 100 105

<210> 6233
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 6233
 Met Leu Xaa His Phe Lys Trp Leu Lys Ser Gly Phe Lys Asp Leu Asp
 1 5 10 15
 Ser Leu Phe Tyr Leu Lys Tyr Leu Ala Phe Ser Trp His Gln Val Cys
 20 25 30
 Ile His Val Tyr Cys Met Lys Arg Tyr Ile Tyr Tyr Ile Leu Leu Asn
 35 40 45
 Val Tyr Ser Lys Ser
 50

<210> 6234
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 6234
 Met Gln Pro Val Arg Thr Val Val Pro Val Thr Lys His Arg Gly Tyr
 1 5 10 15
 Leu Gly Val Met Pro Ala Tyr Ser Ala Ala Glu Asp Ala Leu Thr Thr
 20 25 30
 Lys Leu Val Thr Phe Tyr Glu Asp Arg Gly Ile Thr Ser Val Val Pro
 35 40 45
 Ser His Gln Ala Thr Val Leu Leu Phe Glu Pro Ser Asn Gly Thr Leu
 50 55 60
 Leu Ala Val Met Asp Gly Asn Val Ile Thr Ala Lys Arg Thr Ala
 65 70 75

<210> 6235
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 6235
 Met Lys Lys Leu Thr Thr Asp Gly Lys Leu Ile Ala Arg Ala Leu Arg
 1 5 10 15
 Ser Ser Ala Val Val Glu Leu Asp Leu Glu Gly Thr Arg Ile Arg Arg
 20 25 30
 Lys Lys Pro Leu Gly Glu Arg Pro Lys Asp Glu Asp Glu Arg Thr Val
 35 40 45
 Tyr Val Glu Leu Leu Pro Lys Asn Val Asn His Ser Trp Ile Glu Arg
 50 55 60
 Val Phe Gly Lys Cys Gly Asn Val Val Tyr Ile Ser Ile Pro His Tyr
 65 70 75 80
 Lys Ser Thr Gly Asp Pro Lys Gly
 85

<210> 6236
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 6236
 Met Asn Arg His Leu Cys Val Trp Leu Phe Arg His Pro Ser Leu Asn
 1 5 10 15
 Gly Tyr Leu Gln Cys His Ile Gln Leu His Ser His Gln Phe Arg Gln
 20 25 30
 Ile His Leu Asp Thr Arg Leu Gln Val Phe Arg Gln Asn Arg Asn Cys
 35 40 45
 Ile Leu His Leu Leu Ser Lys Asn
 50 55

<210> 6237
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 6237
 Met Phe Val Pro Cys Gly Glu Ser Ala Pro Asp Leu Ala Gly Phe Thr
 1 5 10 15
 Leu Leu Met Pro Ala Val Ser Val Gly Asn Val Gly Gln Leu Ala Met
 20 25 30
 Asp Leu Ile Ile Ser Thr Leu Asn Met Ser Lys Ile Gly Tyr Phe Tyr
 35 40 45
 Thr Asp Cys Leu Val Pro Met Val Gly Asn Asn Pro Tyr Ala Thr Thr
 50 55 60
 Glu Gly Asn Ser Thr Glu Leu Ser Ile Asn Ala Glu Val Tyr Xaa Leu
 65 70 75 80
 Pro Ser Arg Lys Leu Val Ala Leu Gln Leu Arg Ser Ile Xaa Ile Lys
 85 90 95
 Tyr Lys Ser Xaa Pro Phe Cys Glu Lys Leu Leu Ser Trp Val Lys Ala
 100 105 110
 Val Ala Val
 115

<210> 6238
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 6238
 Met Arg Asn Asn Phe Gly Lys Val Leu Glu Arg Gly Val Lys Leu Ala
 1 5 10 15
 Glu Leu Gln Gln Arg Ser Asp Gln Leu Leu Asp Met Ser Ser Thr Phe
 20 25 30
 Asn Lys Thr Thr Gln Asn Leu Ala Gln Lys Lys Cys Trp Glu Asn Ile
 35 40 45
 Arg Tyr Arg Ile Cys Val Gly Leu Val Val Val Gly Val Leu Leu Ile
 50 55 60
 Ile Leu Ile Val Leu Leu Val Val Phe Leu Pro Gln Ser Ser Asp Ser

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65 70 75 80
 Ser Ser Ala His Gly Pro Arg Met Gln Ala
 85 90

<210> 6239
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 6239
 Met Gln Cys Tyr Ser Leu Ser Phe Xaa Cys Glu Xaa Ile Val Trp Arg
 1 5 10 15
 Gly Pro Ser Lys Thr Ser Tyr Tyr Pro Lys Lys Ala Thr Tyr Met Asn
 20 25 30
 Phe Ile Ser Gly Phe Phe Gln Ile Glu Gly Lys Phe Gln Asp Glu Ala
 35 40 45
 Phe Ile Leu Phe Ser Asp Gln Ser Val Gly Lys Arg Lys Glu Phe Val
 50 55 60
 Thr Ile Phe Ile Ser Asn Ile Leu Lys Gln Lys Thr Lys Asn Pro
 65 70 75

<210> 6240
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 6240
 Met Ala Asp Arg Gln Ala Ala Ala Pro Asn Phe Trp Cys Ser Phe Ile
 1 5 10 15
 Pro Ala Leu Arg His Glu Ala Asp Arg Lys Asp Arg Gln Cys Cys Phe
 20 25 30
 Val Thr Gly Ile Phe Leu Ala Leu Ser Ile His Leu Arg Met Cys Gly
 35 40 45
 Glu Ser His Ala Met Gly Ala Leu Gly Gln Ala Gln Val Phe Thr Val
 50 55 60
 Val Glu Gly Xaa
 65

<210> 6241
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6241
 Met Phe Phe Gln Val Phe Phe Leu Leu Gln Leu Gln Asp Asn Cys Pro
 1 5 10 15
 His Leu Pro Asn Ser Gly Gln Glu Asp Phe Asp Lys Asp Gly Ile Gly
 20 25 30
 Asp Ala Cys Asp Asp Asp Asp Asp Asn Asp Gly Val Thr Asp Glu Lys
 35 40 45
 Asp Asn Cys Gln Leu Leu Phe Asn Pro
 50 55

<210> 6242

<211> 204
 <212> PRT
 <213> Homo sapiens

<400> 6242
 Met Ile Thr Ser Ala Ala Gly Ile Ile Ser Leu Leu Asp Glu Asp Glu
 1 5 10 15
 Pro Gln Leu Lys Glu Phe Ala Leu His Lys Leu Asn Ala Val Val Asn
 20 25 30
 Asp Phe Trp Ala Glu Ile Ser Glu Ser Val Asp Lys Ile Glu Val Leu
 35 40 45
 Tyr Glu Asp Glu Gly Phe Arg Xaa Xaa Gln Phe Ala Ala Leu Val Ala
 50 55 60
 Ser Lys Val Phe
 65

<210> 6243
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 6243
 Met Leu Tyr Phe Ser Leu Phe Trp Ala Ala Arg Pro Leu Gln Arg Cys
 1 5 10 15
 Gly Gln Leu Val Arg Met Ala Ile Arg Ala Gln His Ser Asn Ala Ala
 20 25 30
 Gln Thr Gln Thr Gly Glu Ala Asn Arg Gly Trp Thr Gly Gln Glu Ser
 35 40 45
 Leu Ser Asp Ser Asp Pro Glu Met Trp Glu Leu Leu Gln Arg Glu Lys
 50 55 60
 Asp Arg Gln Cys Arg Gly Leu Xaa Leu Ile Ala Ser Glu Asn Phe Cys
 65 70 75 80
 Ser Arg Ala Ala Leu
 85

<210> 6244
 <211> 285
 <212> PRT
 <213> Homo sapiens

<400> 6244
 Met Asp Phe Ser Arg Leu His Met Tyr Ser Pro Pro Gln Cys Val Pro
 1 5 10 15
 Glu Asn Thr Gly Tyr Thr Tyr Ala Leu Ser Ser Ser Tyr Ser Ser Asp
 20 25 30
 Ala Leu Asp Phe Glu Thr Glu His Lys Leu Asp Pro Val Phe Asp Ser
 35 40 45
 Pro Arg Met Ser Arg Arg Ser Leu Arg Leu Ala Thr Thr Ala Cys Thr
 50 55 60
 Leu Gly Asp Gly Glu Ala Val Gly Ala Asp Ser Gly Thr Ser Ser Ala
 65 70 75 80
 Val Ser Leu Lys Asn Arg Ala Ala Arg Thr Thr Lys Gln Arg Arg
 85 90 95

<210> 6245
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 6245
 Met Ser Ser Ser Glu Glu Val Ser Trp Ile Ser Trp Phe Cys Gly Leu
 1 5 10 15
 Arg Gly Asn Glu Phe Phe Cys Glu Val Asp Glu Asp Tyr Ile Gln Asp
 20 25 30
 Lys Phe Asn Leu Thr Gly Leu Asn Glu Gln Val Pro His Tyr Arg Gln
 35 40 45
 Ala Leu Asp Met Ile Leu Asp Leu Glu Pro Asp Glu Glu Leu Glu
 50 55 60

<210> 6246
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 6246
 Met Asn Ser Val Gly Glu Ala Cys Thr Asp Met Lys Arg Glu Tyr Asp
 1 5 10 15
 Gln Cys Phe Asn Arg Trp Phe Ala Glu Lys Phe Leu Lys Gly Asp Ser
 20 25 30
 Ser Gly Asp Pro Cys Thr Asp Leu Phe Lys Arg Tyr Gln Gln Cys Val
 35 40 45
 Gln Lys Ala Ile Lys Glu Lys Glu Ile Pro Ile Glu
 50 55 60

<210> 6247
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 6247
 Met Ser Leu Arg Ser Gly Gly Arg Arg Arg Ala Asp Pro Gly Ala Asp
 1 5 10 15
 Gly Glu Ala Ser Arg Asp Asp Gly Ala Thr Ser Ser Val Ser Ala Leu
 20 25 30
 Lys Arg Leu Glu Arg Ser Gln Trp Thr Asp Lys Met Asp Leu Arg Phe
 35 40 45
 Gly Phe Glu Arg Leu Lys Glu Pro Gly Glu Lys Thr Gly Trp Leu Ile
 50 55 60
 Asn Met His Pro Thr Glu Ile Leu Asp Glu Asp Lys Arg Leu Gly Ser
 65 70 75 80
 Ala Val Asp Tyr Tyr Phe Ile Gln Asp Asp Gly Ser Arg Xaa Lys Val
 85 90 95
 Xaa Leu Ala Tyr Lys Thr Val Phe Leu Gln Leu Arg Pro Glu Arg Val
 100 105 110
 Val Ser Glu Lys
 115

<210> 6248

<211> 384
 <212> PRT
 <213> Homo sapiens

<400> 6248

Met Ala Glu Gln Ser Asp Glu Ala Val Lys Tyr Tyr Thr Leu Glu Glu
 1 5 10 15
 Ile Gln Lys His Asn His Ser Lys Ser Xaa Trp Leu Ile Leu His His
 20 25 30
 Lys Val Tyr Asp Leu Thr Lys Phe Leu Glu Glu His Pro Gly Gly Glu
 35 40 45
 Glu Val Leu Arg Glu Gln Ala Gly Gly Asp Ala Thr Glu Asn Leu Met
 50 55 60
 Ser Gly Thr Leu Gln Xaa Gln Gly Asn Val Xaa Thr Phe Ile Ile Gly
 65 70 75 80
 Glu Leu His Pro Val Ser Thr Phe Trp Gly Pro Phe Leu Ile Cys Ile
 85 90 95
 Xaa Xaa Ser Asp Asp Leu Thr Leu Val Cys Lys Leu Ala Cys Ile His
 100 105 110
 Ile Leu Lys Gly Val Lys Gln Lys Gln Leu Leu Ile Leu Gly His Gln
 115 120 125

<210> 6249
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 6249

Met Ala Glu Gln Ser Asp Glu Ala Val Lys Tyr Tyr Thr Leu Glu Glu
 1 5 10 15
 Ile Gln Lys His Asn His Ser Lys Ser Thr Trp Leu Ile Leu His His
 20 25 30
 Lys Val Tyr Asp Leu Thr Lys Phe Leu Glu Glu His Pro Gly Gly Glu
 35 40 45
 Glu Val Leu Arg Glu Gln Ala Gly Gly Asp Ala Thr Glu Asn Phe Glu
 50 55 60
 Asp Xaa Gly Xaa Ser Xaa Asp Ala Arg Glu Met Ser Lys Thr Phe Ile
 65 70 75 80
 Ile Gly Glu Leu His Pro Asp Asp Arg Pro Lys Leu Asn Lys Pro Pro
 85 90 95
 Glu Thr Leu Ile Thr Thr Ile Asp Ser Ser Ser Trp Trp Thr Asn
 100 105 110
 Trp Val Ile Pro
 115

<210> 6250
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 6250

Met Ser Trp Met Phe Lys Arg Asp Pro Val Trp Lys Tyr Leu Gln Thr
 1 5 10 15
 Val Gln Tyr Gly Val His Gly Asn Phe Pro Arg Leu Ser Tyr Pro Thr

20 25 30
Phe Phe Pro Arg Phe Glu Phe Gln Asp Val Ile Pro Pro Asp Asp Phe
35 40 45
Leu Thr Ser Asp Glu Glu Val Asp Ser Val Leu Phe Gly Ser Leu Arg
50 55 60
Gly His Val Val Gly Leu Arg Tyr Tyr Thr
65 70

<210> 6251
<211> 276
<212> PRT
<213> Homo sapiens

<400> 6251
Met Ser Val Ser Glu Ile Phe Val Glu Leu Gln Gly Phe Leu Ala Ala
1 5 10 15
Glu Gln Asp Ile Arg Glu Glu Xaa Lys Lys Ser Xaa Thr Glu Phe Arg
20 25 30
Thr Asn Ser Ser Arg Asp Phe Asn Ser Thr Ala Arg Gly Pro Ser Gly
35 40 45
Cys Trp Val Xaa Gly His Ser Lys Glu Val Phe Glu Ser Ser Arg Xaa
50 55 60
Phe Trp Tyr Ser Lys Asn Thr Ser Asn Ile Phe Xaa Arg Pro Asn Phe
65 70 75 80
Leu Leu Asn Ser Ile Xaa Asp Phe Met Ser Thr Gly
85 90

<210> 6252
<211> 423
<212> PRT
<213> Homo sapiens

<400> 6252
Met Ser Ile Arg Val Thr Gln Lys Ser Tyr Lys Val Ser Thr Ser Gly
1 5 10 15
Pro Arg Ala Phe Ser Ser Arg Ser Tyr Thr Ser Gly Pro Gly Ser Arg
20 25 30
Ile Ser Ser Ser Ser Phe Ser Arg Val Gly Ser Ser Asn Phe Arg Gly
35 40 45
Gly Leu Gly Gly Gly Tyr Gly Gly Ala Ser Gly Met Gly Gly Ile Thr
50 55 60
Ala Val Thr Val Asn Gln Ser Leu Leu Ser Pro Leu Val Leu Glu Val
65 70 75 80
Asp Pro Asn Ile Gln Ala Val Arg Thr Gln Glu Lys Glu Gln Ile Lys
85 90 95
Thr Leu Asn Asn Lys Phe Ala Ser Phe Ile Asp Lys Xaa Arg Phe Leu
100 105 110
Glu Gln Gln Asn Lys Met Leu Glu Thr Lys Trp Ser Leu Cys Ser Ser
115 120 125
Arg Arg Arg Leu Glu Ala Thr Trp Thr Thr Cys Ser Arg
130 135 140

<210> 6253
<211> 303

<212> PRT
 <213> Homo sapiens

<400> 6253

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Met Leu Ser Arg Ala Val Cys Gly Thr Ser Arg Gln Leu Ala Pro Xaa
1           5           10           15
Leu Gly Tyr Leu Gly Ser Arg Gln Lys His Ser Leu Pro Asp Leu Pro
      20           25           30
Tyr Asp Tyr Gly Ala Leu Glu Pro His Ile Asn Ala Gln Ile Met Gln
      35           40           45
Leu His His Ser Lys His His Ala Ala Tyr Val Asn Asn Leu Asn Val
      50           55           60
Thr Glu Glu Lys Tyr Gln Glu Ala Leu Ala Xaa Gly Asp Val Thr Ala
65           70           75           80
Gln Ile Ala Leu Gln Pro Ala Leu Lys Phe Asn Gly Gly Gly His Ile
      85           90           95
Asn His Ser Ile Phe
      100
  
```

<210> 6254
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 6254

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Met Leu Asp Phe Phe Thr Ile Phe Ser Lys Gly Gly Leu Val Leu Trp
1           5           10           15
Cys Phe Gln Gly Val Xaa Asp Ser Cys Thr Gly Pro Val Asn Ala Leu
      20           25           30
Ile Arg Ser Val Leu Leu Gln Glu Arg Gly Gly Asn Asn Ser Phe Thr
      35           40           45
His Glu Ala Leu Thr Leu Lys Tyr Lys Leu Asp Asn Gln Phe Glu Leu
      50           55           60
Xaa Xaa Val Val Gly Phe Gln Lys Ile Leu Thr Leu Thr Tyr Val Asp
65           70           75           80
Lys Leu Ile Asp Asp Val His Arg Leu Phe Arg Xaa Lys Tyr Arg Thr
      85           90           95
Glu Ile Gln Gln Gln Ser Ala Leu Ser Leu Leu Asn Gly Thr
      100           105           110
  
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<210> 6255
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 6255

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Met Val Asn His Phe Ile Ala Glu Phe Lys Arg Lys His Lys Lys Asp
1           5           10           15
Ile Ser Glu Asn Lys Arg Ala Val Arg Arg Leu Arg Thr Ala Cys Glu
      20           25           30
Arg Ala Lys Arg Thr Leu Ser Ser Ser Thr Gln Ala Ser Ile Glu Ile
      35           40           45
Asp Ser Leu Tyr Glu Gly Ile Asp Phe Tyr Thr Ser Ile Thr Arg Ala
      50           55           60
  
```

Arg Phe Glu Glu Leu Asn Ala Asp Leu Phe Arg Gly Thr Leu Asp Pro
 65 70 75 80
 Val Glu Lys Ala Leu Arg Asp Ala Lys Leu Asp
 85 90

<210> 6256
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 6256
 Met Ala Glu Ala Glu Gly Glu Ser Leu Glu Ser Trp Leu Asn Lys Ala
 1 5 10 15
 Thr Asn Pro Ser Asn Arg Gln Glu Asp Trp Glu Tyr Ile Ile Gly Phe
 20 25 30
 Cys Asp Gln Ile Asn Lys Glu Leu Glu Gly Pro Gln Ile Ala Val Arg
 35 40 45
 Leu Leu Ala His Lys Ile Gln Ser Pro Gln Glu Trp Glu Ala Leu Gln
 50 55 60
 Ala Leu Thr Val Leu Glu Ala Cys Met Lys Asn Cys Gly Arg Arg Phe
 65 70 75 80
 His Asn Glu

<210> 6257
 <211> 252
 <212> PRT
 <213> Homo sapiens

<400> 6257
 Met Ala Glu Gly Ser Gly Glu Val Val Ala Val Ser Ala Thr Gly Leu
 1 5 10 15
 Pro Thr Ala Ser Thr Met Gly Gln Ala Gly Pro Arg Arg Arg Pro Ala
 20 25 30
 Thr Xaa Val Ala Gln Leu His Lys Ile Leu Glu Thr Arg Leu Asp Asn
 35 40 45
 Asp Lys Glu Met Leu Glu Ala Leu Lys Ala Leu Ser Thr Phe Phe Val
 50 55 60
 Glu Asn Ser Leu Arg Thr Arg Arg Asn Leu Arg Gly Asp Ile Glu Arg
 65 70 75 80
 Lys Ser Leu Ala

<210> 6258
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 6258
 Met Gly Lys Gln Asn Ser Lys Leu Arg Pro Glu Met Leu Gln Asp Leu
 1 5 10 15
 Arg Glu Asn Thr Glu Phe Ser Glu Leu Glu Leu Gln Glu Trp Tyr Lys
 20 25 30
 Gly Phe Leu Lys Asp Cys Pro Thr Gly Ile Leu Asn Val Asp Glu Phe
 35 40 45
 Lys Lys Ile Tyr Ala Asn Phe Phe Pro Tyr Gly Asp Ala Ser Lys Phe

50 55 60
 Ala Glu His Val Phe Arg Thr Phe Asp Thr Asn Ser Asp Gly Thr Ile
 65 70 75 80
 Asp Phe Arg Glu Phe Ile Ile Ala Leu Ser Val Thr Ser Arg Gly Pro
 85 90 95
 Ala Trp Ser Arg Ser Ser Cys Gly Pro Ser Ala Cys Met
 100 105

<210> 6259
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 6259
 Met Ser Gly Pro Ala Gln Val Pro Met Met Ser Pro Asn Gly Ser Val
 1 5 10 15
 Pro Pro Ile Tyr Val Pro Pro Gly Tyr Ala Pro Gln Val Ile Glu Asp
 20 25 30
 Asn Gly Val Arg Arg Val Val Val Val Pro Gln Ala Pro Glu Phe His
 35 40 45
 Pro Gly Ser His Thr Val Leu His Arg Ser Pro His Pro Pro Leu Pro
 50 55 60
 Gly Phe Ile Pro Val Pro Thr Met Met Pro Pro Pro Pro Arg His Met
 65 70 75 80
 Tyr Ser Pro Val Thr Gly Ala Gly Asp Met Thr Thr Gln Tyr Met Pro
 85 90 95
 Gln Tyr Gln Ser Ser Gln Val Tyr Gly Asp Val Asp Ala His Ser Thr
 100 105 110
 His Gly Arg Ser Asn Phe Arg Asp Glu Arg Ser Ser Lys Thr Tyr Glu
 115 120 125
 Arg Leu Gln Lys Lys Leu Lys Asp
 130 135

<210> 6260
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 6260
 Met Ala Lys Thr Tyr Asp Tyr Leu Phe Lys Leu Leu Leu Ile Gly Asp
 1 5 10 15
 Ser Gly Val Gly Lys Thr Cys Leu Leu Phe Arg Phe Ser Glu Asp Ala
 20 25 30
 Phe Asn Thr Thr Phe Ile Ser Thr Ile Gly Ile Asp Phe Lys Ile Arg
 35 40 45
 Thr Ile Glu Leu Asp Gly Lys Lys Ile Lys Leu Gln Ile Trp Asp Thr
 50 55 60
 Ala Gly Gln Glu Arg Phe Arg Thr Ile Thr Thr Ala Tyr Tyr Arg
 65 70 75

<210> 6261
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 6261

Met Trp Arg Leu Pro Gly Leu Leu Gly Arg Ala Leu Pro Arg Thr Leu
 1 5 10 15
 Gly Pro Ser Leu Trp Arg Val Thr Pro Lys Ser Thr Ser Pro Asp Gly
 20 25 30
 Pro Gln Thr Thr Ser Ser Thr Leu Leu Val Pro Val Pro Asn Leu Asp
 35 40 45
 Arg Ser Gly Pro His Gly Pro Gly Thr Ser Gly Gly Pro Arg Ser His
 50 55 60
 Gly Trp Lys Asp Ala Phe Gln Trp Met Ser Ser Arg Val Ser Pro Asn
 65 70 75 80
 Thr Leu Trp Asp Ala Ile Ser Trp Gly Thr Leu Ala Val Leu Ala Leu
 85 90 95
 Gln Leu Ala Arg Gln Ile His Phe Gln Ala Ser Leu Pro Ala Gly Pro
 100 105 110
 Gln Arg Val Glu His Cys Ser Trp His Ser Pro Leu Asp Xaa Phe Phe
 115 120 125
 Ser Ser Xaa Xaa Trp Xaa Pro Cys
 130 135

<210> 6262

<211> 363

<212> PRT

<213> Homo sapiens

<400> 6262

Met Ser Ser Glu Glu Gly Lys Leu Phe Val Gly Gly Leu Asn Phe Asn
 1 5 10 15
 Thr Asp Glu Gln Ala Leu Glu Asp His Phe Ser Ser Phe Gly Pro Ile
 20 25 30
 Ser Glu Val Val Val Val Lys Asp Arg Glu Thr Gln Arg Ser Arg Gly
 35 40 45
 Phe Gly Phe Ile Thr Phe Thr Asn Pro Glu His Ala Ser Val Ala Met
 50 55 60
 Arg Ala Met Asn Gly Glu Ser Leu Asp Gly Arg Gln Ile Arg Val Asp
 65 70 75 80
 His Ala Gly Lys Ser Ala Arg Gly Thr Arg Gly Gly Gly Phe Gly Ala
 85 90 95
 His Gly Arg Gly Arg Ser Tyr Ser Lys Gly Gly Gly Asp Arg Ala Met
 100 105 110
 Gly Val Ala Gly Ile Met Thr Val Glu
 115 120

<210> 6263

<211> 177

<212> PRT

<213> Homo sapiens

<400> 6263

Met Ile Leu Leu Gln His Ala Val Leu Pro Pro Pro Lys Gln Pro Ser
 1 5 10 15
 Pro Ser Pro Pro Met Ser Val Ala Thr Arg Ser Thr Gly Thr Leu Gln
 20 25 30

Leu Pro Pro Gln Lys Pro Phe Gly Gln Glu Ala Ser Leu Pro Leu Ala
 35 40 45
 Gly Glu Glu Glu Leu Ser Lys Gly Gly Glu Gln
 50 55

<210> 6264
 <211> 426
 <212> PRT
 <213> Homo sapiens

<400> 6264
 Met Asn Ser Phe Asn Tyr Thr Thr Pro Asp Tyr Gly His Tyr Asp Asp
 1 5 10 15
 Lys Asp Thr Leu Asp Leu Asn Thr Pro Val Asp Lys Thr Ser Asn Thr
 20 25 30
 Leu Arg Val Pro Asp Ile Leu Ala Leu Val Ile Phe Ala Val Val Phe
 35 40 45
 Leu Val Gly Val Leu Gly Asn Ala Leu Val Val Trp Val Thr Ala Phe
 50 55 60
 Glu Ala Lys Arg Thr Ile Asn Ala Ile Trp Phe Leu Asn Leu Ala Val
 65 70 75 80
 Ala Thr Ser Ser Pro Ala Trp Arg Cys Pro Ser Cys Ser Arg Pro Leu
 85 90 95
 Tyr Ser Ile Thr Xaa Gly Pro Leu Ala Gly Pro Pro Ala Xaa Ser Cys
 100 105 110
 Pro Pro Ser Ser Cys Ser Thr Cys Thr Pro Ala Ser Xaa Ser Trp Pro
 115 120 125
 Pro Ser Xaa Pro Xaa Ala Xaa Cys Trp Cys Leu Asn Pro Ser
 130 135 140

<210> 6265
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 6265
 Met Ala Thr Arg Asn Ser Pro Met Pro Leu Gly Thr Ala Gln Gly Asp
 1 5 10 15
 Pro Gly Glu Xaa Gly Thr Arg Pro Gly Pro Asp Ala Ser Leu Arg Asp
 20 25 30
 Thr Gly Ala Ala Thr Gln Leu Lys Met Lys Pro Arg Lys Val His Lys
 35 40 45
 Ile Lys Ala Val Ile Ile Asp Leu Gly Ser Gln Tyr Cys Lys Cys Gly
 50 55 60
 Tyr Ala Gly Glu Pro Arg Pro Thr Tyr Phe Ile Ser Ser Thr Val Gly
 65 70 75 80
 Lys Arg Cys Pro Glu Ala Ala Asp Ala Gly Xaa Thr Arg Lys Trp Thr
 85 90 95
 Leu Val Gly His Glu Leu Leu Asn Thr Glu Ala Ala Ser Gln Ala Gly
 100 105 110
 Glu Pro Ala
 115

<210> 6266

0 25 1 999 07 25 00

Met	Asp	Pro	Gly	Gly	Ala	Arg	Glu	His	Cys	Leu	Ser	Pro	Gly	Gln	Pro
1				5					10					15	
Glu	Arg	Thr	Lys	Gln	Asp	Leu	Gly	Gly	Gly	Gly	Trp	Xaa	Arg	Ala	Xaa
			20					25					30		
Met	Val	Ser	Asn	Pro	Val	His	Gly	Leu	Pro	Phe	Leu	Pro	Gly	Thr	Ser
		35					40					45			
Phe	Lys	Asp	Ser	Thr	Lys	Thr	Ala	Phe	His	Arg	Ser	Gln			
	50					55				60					

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<400> 6267
Met Val Leu Gly Pro Glu Gln Lys Met Ser Asp Asp Ser Val Ser Gly
1          5          10          15
Asp His Gly Glu Ser Ala Ser Leu Gly Asn Ile Asn Pro Ala Tyr Ser
          20          25          30
Asn Pro Ser Leu Ser Gln Ser Pro Gly Asp Ser Glu Glu Tyr Phe Ala
          35          40          45
Thr Tyr Phe Asn Glu Lys Ile Ser Ile Pro Glu Glu Glu Tyr Ser Cys
          50          55          60
Phe Ser Phe Arg Lys Leu Trp
65          70

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<400> 6268
Met Gln Gln Lys Ala Phe Glu Glu Ser Arg Tyr Pro Trp Gln Glu Ser
1          5          10          15
Phe Glu Asn Val Ala Val Cys Leu Pro Leu Arg Cys Pro Arg Cys Gly
          20          25          30
Asp His Thr Arg Phe Arg Ser Leu Ser Ser Leu Arg Ala His Leu Glu
          35          40          45
Phe Ser His Ser Tyr Glu Glu Arg Thr Leu Leu Thr Lys Cys Ser Leu
          50          55          60
Phe Pro
65

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<400> 6269

Met Asp Pro Leu Arg Ala Gln Gln Leu Ala Ala Xaa Leu Glu Val Glu
 1 5 10 15
 Met Met Ala Asp Met Tyr Asn Arg Met Thr Ser Ala Cys His Arg Lys
 20 25 30
 Cys Val Pro Pro His Tyr Lys Glu Ala Glu Leu Ser Lys Gly Glu Ser
 35 40 45
 Val Cys Leu Asp Arg Cys Val Ser Lys Tyr Leu Asp Ile His Glu Arg
 50 55 60
 Met Gly Lys Lys Leu Thr Glu Leu Ser Met Gln Asp Glu Glu Leu Met
 65 70 75 80
 Lys Arg

<210> 6270
 <211> 288
 <212> PRT
 <213> Homo sapiens

<400> 6270
 Met Ala Glu Asp Lys Ser Lys Arg Asp Ser Ile Glu Met Ser Met Lys
 1 5 10 15
 Gly Cys Gln Thr Asn Asn Gly Phe Val His Asn Glu Asp Ile Leu Glu
 20 25 30
 Gln Thr Pro Asp Pro Gly Ser Ser Thr Asp Asn Leu Lys His Ser Thr
 35 40 45
 Arg Gly Ile Leu Gly Ser Gln Glu Pro Asp Phe Lys Gly Val Gln Pro
 50 55 60
 Tyr Ala Gly Met Pro Lys Glu Val Leu Phe Gln Phe Ser Gly Gln Ala
 65 70 75 80
 Arg Tyr Arg Ile Pro Leu Glu Ile Leu Phe Trp Leu Ala Val Ala Ser
 85 90 95

<210> 6271
 <211> 474
 <212> PRT
 <213> Homo sapiens

<400> 6271
 Met Ala Ala Pro Ser Trp Arg Gly Ala Arg Leu Val Gln Ser Val Leu
 1 5 10 15
 Arg Val Trp Gln Val Gly Pro His Val Ala Arg Glu Arg Val Ile Pro
 20 25 30
 Phe Ser Ser Leu Leu Gly Phe Gln Arg Arg Cys Val Ser Cys Val Ala
 35 40 45
 Gly Ser Ala Phe Ser Gly Pro Arg Leu Ala Ser Ala Ser Arg Ser Xaa
 50 55 60
 Gly Gln Gly Ser Ala Leu Asp His Phe Leu Gly Phe Ser Gln Pro Asp
 65 70 75 80
 Ser Ser Val Thr Pro Cys Val Pro Ala Val Ser Met Asn Arg Asp Glu
 85 90 95
 Gln Asp Val Leu Leu Val His His Pro Asp Met Pro Glu Asn Ser Arg
 100 105 110
 Val Leu Arg Val Val Leu Leu Gly Ala Pro Asn Ala Gly Lys Ser Thr
 115 120 125
 Leu Ser Asn Gln Leu Xaa Gly Arg Lys Val Phe Pro Val Ser Arg Asn

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130 135 140
 Val His Thr Xaa Arg Cys Gln Ala Leu Gly Val Ile Thr Glu
 145 150 155

<210> 6272
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 6272
 Met Ser Cys Cys Trp Glu Arg Gly Leu Ala Gln Glu Pro Gly Gln Gln
 1 5 10 15
 Gln Ala Thr Pro Gly Ala Leu Leu Gln Ala Gly Pro Pro Arg Cys Ser
 20 25 30
 Ser Leu Gln Ala Pro Ile Met Leu Leu Ser Gly His Glu Gly Glu Val
 35 40 45
 Tyr Cys Cys Lys Phe His Pro Asn Gly Ser Thr Leu Ala Ser Ala Gly
 50 55 60
 Phe Asp Arg Leu Ile Leu Leu Trp Asn Val Tyr Gly Asp Cys Asp Asn
 65 70 75 80
 Tyr Ala Thr Leu Lys Gly His Ser Gly Ala Val Met Glu Leu Xaa Tyr
 85 90 95
 Asn Thr Asp Gly Ser Met Leu Phe Ser Ala Ser Thr Asp Lys Thr Val
 100 105 110
 Ala Val Trp Asp Ser
 115

<210> 6273
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 6273
 Met Ala Phe Phe Thr Gly Leu Trp Gly Pro Phe Thr Cys Val Ser Arg
 1 5 10 15
 Val Leu Ser His His Cys Phe Ser Thr Thr Gly Ser Leu Ser Ala Ile
 20 25 30
 Gln Lys Met Thr Arg Val Arg Val Val Asp Asn Ser Ala Leu Gly Asn
 35 40 45
 Ser Pro Tyr His Arg Ala Pro Arg Cys Ile His Val Tyr Lys Lys Asn
 50 55 60
 Gly Val Gly Lys Val Gly Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln
 65 70 75 80
 Lys Lys Lys Ala Leu Ile Val Gly His Cys Met Pro
 85 90

<210> 6274
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 6274
 Met Asn Ser Glu Gln Arg Ile Asn Arg Ile Met Gly Phe His Arg Pro
 1 5 10 15

Gly Ser Gly Ala Glu Glu Glu Ser Gln Thr Lys Ser Lys Gln Gln Asp
 20 25 30
 Ser Asp Lys Leu Asn Ser Leu Ser Val Pro Ser Val Ser Lys Arg Val
 35 40 45
 Val Leu Gly Asp Ser Val
 50

<210> 6275
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 6275
 Met Ala Arg Asp Leu Ile Gly Pro Ala Leu Pro Pro Gly Phe Lys Ala
 1 5 10 15
 Arg Gly Thr Ala Glu Asp Glu Glu Arg Asp Pro Ser Pro Val Ala Gly
 20 25 30
 Pro Ala Leu Pro Pro Asn Tyr Lys Ser Ser Ser Ser Asp Ser Ser Asp
 35 40 45
 Ser Asp Glu Asp Ser Ser Ser Leu Tyr Glu Glu Gly Asn Gln Glu Ser
 50 55 60
 Glu Glu Asp Asp Ser Gly Pro Thr Ala Arg Lys Gln Arg Lys Asn Gln
 65 70 75 80
 Asp Asp Asp Asp Asp Asp Asp Asp Gly Phe Phe Gly Pro Ala Leu Pro
 85 90 95
 Pro Gly Phe Lys
 100

<210> 6276
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 6276
 Met Lys Ile Trp Thr Ser Glu His Val Phe Asp His Pro Trp Glu Thr
 1 5 10 15
 Val Thr Thr Ala Ala Met Gln Lys Tyr Pro Asn Pro Met Asn Pro Ser
 20 25 30
 Val Val Gly Val Asp Val Leu Asp Arg His Ile Asp Pro Ser Gly Lys
 35 40 45
 Leu His Ser Xaa Arg Leu Leu Ser Thr Glu Trp
 50 55

<210> 6277
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 6277
 Met Gly Asp Thr His Thr Gly Leu Ala Leu Val Tyr Ala Lys Glu Gln
 1 5 10 15
 Leu Phe Ala Glu Ala Ser Gly Ala Arg Pro Gly Val Pro Lys Val Leu
 20 25 30
 Val Trp Val Thr Asp Gly Gly Ser Ser Asp Pro Val Gly Pro Pro Met

35 40 45
 Gln Glu Leu Lys Asp Leu Gly Val Thr Val Phe Ile Val Ser Thr Gly
 50 55 60
 Arg Xaa Asn Phe Leu Glu Leu Ser Ala Ala Ala Ser Ala
 65 70 75

<210> 6278
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 6278
 Met Glu Gly Asn Arg Asp Glu Ala Glu Lys Cys Val Glu Ile Ala Arg
 1 5 10 15
 Glu Ala Leu Asn Ala Gly Asn Arg Glu Lys Ala Gln Arg Phe Leu Gln
 20 25 30
 Lys Ala Glu Lys Leu Tyr Pro Xaa Pro Ser Ala Arg Ala Leu Leu Glu
 35 40 45
 Ile Ile Met Lys Asn Gly Ser Thr Ala Gly Asn Ser Pro His Cys Arg
 50 55 60
 Lys Pro Ser Gly Ser Gly Asp Gln Ser Lys Pro Asn Cys Thr Lys Asp
 65 70 75 80
 Ser Thr Ser Gly Ser Gly Glu Gly Gly Lys Gly Tyr Thr Lys Asp Gln
 85 90 95
 Val Asp Gly Val Leu Ser Ile Asn Lys Cys Lys Asn Xaa Xaa Glu Val
 100 105 110
 Leu Gly Val Thr Lys Asp Ala Gly Asp Glu Asp Leu Lys Lys Ala
 115 120 125

<210> 6279
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 6279
 Met Ala Thr Val Val Leu Gly Gly Asp Thr Met Gly Pro Glu Arg Ile
 1 5 10 15
 Phe Pro Asn Gln Thr Glu Glu Leu Gly His Gln Gly Pro Ser Glu Gly
 20 25 30
 Thr Gly Asp Trp Ser Ser Glu Glu Pro Glu Glu Glu Gln Glu Glu Thr
 35 40 45
 Gly Ser Gly Pro Ala Gly Tyr Ser Tyr Gln Pro
 50 55

<210> 6280
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 6280
 Met Ala Gly Pro Gln Pro Leu Ala Leu Gln Leu Glu Gln Leu Leu Asn
 1 5 10 15
 Pro Arg Pro Ser Glu Ala Asp Pro Glu Ala Asp Pro Glu Glu Ala Thr
 20 25 30

Ala Ala Arg Val Ile Asp Arg Phe Asp Glu Gly Glu Asp Gly Glu Gly
 35 40 45
 Asp Phe Leu Val Val Gly Ser Ile Arg Lys Leu Ala Ser Ala Ser Leu
 50 55 60
 Leu Asp Thr Asp Lys Arg Tyr Cys Gly Lys Thr
 65 70 75

<210> 6281
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 6281
 Met Ala Glu Pro Val Ser Pro Leu Lys His Phe Val Leu Ala Lys Lys
 1 5 10 15
 Ala Ile Thr Ala Ile Phe Asp Gln Leu Leu Glu Phe Val Thr Glu Gly
 20 25 30
 Ser His Phe Val Glu Ala Thr Tyr Lys Asn Pro Glu Leu Asp Arg Ile
 35 40 45
 Ala Thr Glu Asp Asp Leu Val Glu Met Gln Gly Tyr Lys Asp Lys Leu
 50 55 60
 Ser Ile Ile Gly Glu Xaa Leu Ser Arg Arg His Met Lys Val Ala Phe
 65 70 75 80
 Phe Gly Arg Thr Ser Ser Gly Lys Ser Ser
 85 90

<210> 6282
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 6282
 Met Leu Val His Asp Xaa Asp Asp Glu Arg Thr Leu Glu Glu Glu Glu
 1 5 10 15
 Met Met Glu Gly Glu Thr Asn Phe Ser Ser Glu Ile Glu Asp Leu Ala
 20 25 30
 Arg Glu Gly Asp Met Pro Ile His Glu Leu Leu Ser Leu Tyr Gly Tyr
 35 40 45
 Gly Ser Thr Val Arg Leu Pro Glu Glu Asp Glu Glu Glu Glu Glu
 50 55 60

<210> 6283
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 6283
 Met Ala Ile Cys Gln Phe Phe Leu Gln Gly Arg Cys Arg Phe Gly Asp
 1 5 10 15
 Arg Cys Trp Asn Glu His Pro Gly Ala Arg Gly Ala Gly Gly Arg
 20 25 30
 Gln Gln Pro Gln Gln Gln Pro Ser Gly Asn Asn Arg Arg Gly Trp Asn
 35 40 45
 Thr Thr Ser Gln Arg Tyr Ser Asn Val Ile Gln Pro Ser Ser Phe Ser

50 55 60
 Lys Ser Thr Pro Trp Gly Gly Ser Arg Asp Gln Glu Lys Pro Tyr Phe
 65 70 75 80
 Ser Ser Phe Asp Ser Gly Ala Ser Thr Asn Arg Lys Glu Gly Phe Gly
 85 90 95
 Leu Ser Glu Asn Pro Phe Ala Ser Leu Ser Pro Asp Glu Gln Lys Asp
 100 105 110
 Glu Lys Lys Leu Leu Glu Gly Ile Val Lys Asp Met
 115 120

<210> 6284
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 6284
 Met Val Asn Phe Thr Val Asp Gln Ile Arg Ala Ile Met Asp Lys Lys
 1 5 10 15
 Ala Asn Ile Arg Asn Met Ser Val Ile Ala His Val Asp His Gly Lys
 20 25 30
 Ser Thr Leu Thr Asp Ser Leu Val Cys Lys Ala Gly Ile Ile Ala Ser
 35 40 45
 Ala Arg Ala Gly Glu Thr Arg Phe Thr Asp Thr Arg Lys Asp Glu Gln
 50 55 60
 Glu Arg Cys Ile Thr Ile Lys Ser Thr Ala Ile Ser Leu Phe Tyr Glu
 65 70 75 80
 Leu Ser Glu Asn Asp Leu Asn Phe Ile Lys Gln Ser Lys Asp Gly Ala
 85 90 95
 Gly Phe Leu Ile Asn Leu Xaa Asp Ser Pro Gly His Val Asp Phe Ser
 100 105 110
 Ser Glu Val Thr Ala Ala Leu
 115

<210> 6285
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 6285
 Met His His Cys Lys Arg Tyr Arg Ser Pro Glu Pro Asp Pro Tyr Leu
 1 5 10 15
 Ser Tyr Arg Trp Lys Arg Arg Arg Ser Tyr Ser Arg Glu His Glu Gly
 20 25 30
 Arg Leu Arg Tyr Pro Ser Arg Arg Xaa Pro Pro Arg Arg Ser Arg
 35 40 45
 Ser Arg Ser His Asp Arg Leu Pro Tyr Gln Arg Arg Tyr Arg Glu Arg
 50 55 60
 Arg Asp Ser Asp Thr Tyr Arg Cys Glu Glu Arg Xaa His Pro Leu Glu
 65 70 75 80
 Arg Thr Thr Met Asp Leu His Val Leu Val Ile Val Gly Xaa Arg Gly
 85 90 95
 Arg Gly

<210> 6286

<211> 294
 <212> PRT
 <213> Homo sapiens

<400> 6286

Met His His Cys Lys Arg Tyr Arg Ser Pro Glu Pro Asp Pro Tyr Leu
 1 5 10 15
 Ser Tyr Arg Trp Lys Arg Arg Arg Ser Tyr Ser Arg Glu His Glu Gly
 20 25 30
 Arg Leu Arg Tyr Pro Ser Arg Arg Ser Leu Pro His Glu Asp Leu Gly
 35 40 45
 Pro Glu Ala Met Thr Ala Cys Pro Thr Arg Gly Gly Thr Gly Ser Ala
 50 55 60
 Val Thr Ala Ile His Thr Gly Val Lys Ser Gly Xaa Ile Leu Trp Arg
 65 70 75 80
 Gly Leu Leu Trp Thr Phe Thr Phe Ser Ser Ser Ser Ala Ile Ala Gly
 85 90 95
 Glu Gly

<210> 6287
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6287

Met Thr Leu Glu Glu Leu Val Ala Cys Asp Asn Ala Ala Gln Lys Met
 1 5 10 15
 Gln Thr Val Thr Ala Ala Val Glu Glu Leu Leu Val Ala Ala Gln Arg
 20 25 30
 Gln Asp Arg Leu Thr Val Gly Val Tyr Glu Ser Ala Lys Leu Met Asn
 35 40 45
 Val Asp Pro Asp Ser Val Val Leu Cys
 50 55

<210> 6288
 <211> 441
 <212> PRT
 <213> Homo sapiens

<400> 6288

Met Leu Ala Asp Leu Gly Leu Ile Gly Thr Ile Gly Glu Asp Asp Glu
 1 5 10 15
 Val Pro Val Glu Pro Glu Ser Asp Ser Gly Asp Glu Glu Glu Gly
 20 25 30
 Pro Ile Val Leu Gly Arg Arg Gln Lys Ala Leu Gly Lys Asn Arg Ser
 35 40 45
 Ala Asp Phe Asn Pro Asp Phe Val Phe Thr Glu Lys Glu Gly Thr Tyr
 50 55 60
 Asp Gly Ser Trp Ala Leu Ala Asp Val Met Ser Gln Leu Lys Lys Lys
 65 70 75 80
 Arg Ala Ala Thr Thr Leu Asp Glu Lys Ile Glu Lys Phe Arg Lys Lys
 85 90 95
 Arg Lys Thr Glu Asp Lys Glu Ala Lys Ser Gly Lys Leu Glu Lys Glu
 100 105 110

Lys Glu Ala Lys Glu Gly Ser Glu Pro Lys Glu Gln Glu Asp Leu Gln
 115 120 125
 Glu Asn Asp Glu Glu Gly Ser Glu Asp Glu Ala Ser Glu Thr Asp Tyr
 130 135 140
 Ser Ser Ala
 145

<210> 6289
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 6289
 Met Ala Asp Arg Leu Thr Gln Leu Gln Asp Ala Val Asn Ser Leu Ala
 1 5 10 15
 Asp Gln Phe Cys Asn Ala Ile Gly Val Leu Gln Gln Cys Gly Pro Pro
 20 25 30
 Ala Ser Phe Asn Asn Ile Gln Thr Ala Ile Asn Lys Asp Gln Pro Ala
 35 40 45
 Asn Pro Thr Glu Glu Tyr
 50

<210> 6290
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 6290
 Met Ala Gly Glu Gly Asp Gln Gln Asp Ala Ala His Asn Met Gly Asn
 1 5 10 15
 His Leu Pro Leu Leu Pro Ala Glu Ser Glu Glu Glu Asp Glu Met Glu
 20 25 30
 Val Glu Asp Gln Asp Ser Lys Glu Ala Lys Lys Pro Asn Ile Ile Asn
 35 40 45
 Phe Asp Thr Ser Leu Pro Thr Ser His Thr Tyr Leu Gly
 50 55 60

<210> 6291
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 6291
 Met Asp Ile Pro Tyr His Phe Ala Leu Pro Tyr Asn Gln Gly Thr Leu
 1 5 10 15
 Pro Ile Arg Val Tyr Cys Arg Glu Arg Thr Ala Lys Gln Pro Pro Ser
 20 25 30
 Leu Asn Leu Gln Leu Ile Ile Cys Asn Arg Phe Ser Leu Asn Pro Arg
 35 40 45
 His Arg Met Gly Asn Xaa Phe Pro His Gln Val Leu Arg Gly Leu Gln
 50 55 60
 Glu Val Thr Pro Gly Gln Gly Arg Leu Gln Xaa Ser Leu Lys Arg Xaa
 65 70 75 80
 Met Trp Thr Ala Trp Leu Gly Gly Asp Trp Trp Met Ser Leu Glu Leu

85 90 95

Gln Xaa

<210> 6292
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 6292
 Met Lys Val Ser Ala Leu Thr Trp Pro Gln Leu Glu Val Gln Gly Lys
 1 5 10 15
 Glu Lys Gln Ser Ser Ser Gln Arg Xaa Leu Asp Gly Val Leu Leu Ser
 20 25 30
 Pro Arg Leu Glu Cys Asn Gly Thr Ile Ser Ala His Cys Asn Leu His
 35 40 45
 Leu Leu Gly Ser Ser Asp Ser Pro Ala Ser Ala Ser Gln Val Ala Gly
 50 55 60
 Val Thr Gly Ala Arg His
 65 70

<210> 6293
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 6293
 Met Phe Phe Leu Asn Ile Ala Met Phe Ile Val Val Met Val Gln Ile
 1 5 10 15
 Cys Gly Arg Asn Gly Lys Arg Ser Asn Arg Thr Leu Arg Glu Glu Val
 20 25 30
 Leu Arg Asn Leu Arg Ser Val Val Ser Leu Thr Phe Leu Leu Gly Met
 35 40 45
 Thr Trp Gly Phe Ala Phe Phe Ala Trp Gly Pro Leu Asn Ile Pro Phe
 50 55 60
 Met Tyr Leu Phe Ser Ile Phe Asn Ser Leu
 65 70

<210> 6294
 <211> 405
 <212> PRT
 <213> Homo sapiens

<400> 6294
 Met Ala Glu Ala Glu Phe Lys Asp His Ser Thr Ala Met Asp Thr Glu
 1 5 10 15
 Pro Asn Pro Gly Thr Ser Ser Val Ser Thr Thr Thr Ser Ser Thr Thr
 20 25 30
 Thr Thr Thr Ile Thr Thr Ser Ser Arg Met Gln Gln Pro Gln Ile
 35 40 45
 Ser Val Tyr Ser Gly Ser Asp Arg His Ala Val Gln Val Ile Gln Gln
 50 55 60
 Ala Leu His Xaa Pro Pro Ser Ser Ala Ala Gln Tyr Leu Gln Gln Met
 65 70 75 80
 Tyr Ala Ala Gln Gln Gln His Leu Met Leu His Thr Ala Ala Leu Gln

85 90 95
 Gln Gln His Xaa Xaa Ser Ser Gln Leu Gln Ser Leu Ala Ala Val Gln
 100 105 110
 Ala Ser Leu Ser Ser Gly Arg Pro Ser Thr Ser Pro Thr Gly Ser Val
 115 120 125
 Thr Gln Gln Ser Ser Met Ser
 130 135

<210> 6295
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 6295
 Met Ser Glu Glu Thr Val Pro Glu Ala Ala Ser Pro Pro Pro Pro Gln
 1 5 10 15
 Xaa Arg Pro Tyr Phe Asp Arg Phe Ser Glu Asp Asp Pro Glu Tyr Met
 20 25 30
 Arg Leu Arg Asn Arg Ala Ala Asp Leu Arg Xaa Asp Xaa Asn Leu Met
 35 40 45
 Glu Gln Lys Lys Arg Val Thr Met
 50 55

<210> 6296
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6296
 Met Pro Leu Cys Pro Leu Ala His Ala Met Gln Pro Gln Ser Val Leu
 1 5 10 15
 His Ser Gly Tyr Phe His Pro Leu Leu Arg Ala Trp Gln Thr Ala Thr
 20 25 30
 Thr Thr Leu Asn Ala Ser Asn Leu Ile Tyr Pro Ile Phe Val Thr Asp
 35 40 45
 Val Pro Asp Asp Ile Gln Pro Ile Thr
 50 55

<210> 6297
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 6297
 Met Xaa Met Arg Glu Ala Arg Ala Val Ser Pro Asn Thr Val Val Pro
 1 5 10 15
 Thr Val Val Leu Glu Thr Arg Pro Arg Gly Leu Ala Glu Gln Glu Pro
 20 25 30
 Ser Val Ala Val Leu Gly Cys Arg Gly Ser Glu Ala Pro Ala Ser Pro
 35 40 45
 Xaa His Xaa Val Glu Gly Asn Val Ser Gly Cys Gln Xaa Ser Gln Arg
 50 55 60
 Ala Asp His Asp Asp Glu Thr Pro Gly Xaa Asp Xaa Glu Ala Xaa Arg
 65 70 75 80

Asp Pro Ser Leu Arg Pro Ala Arg Thr Val Leu Val Gly Ser Leu Ser
 85 90 95
 Trp Leu Arg Lys Gln Leu Gln Pro Thr His Cys Lys Tyr Glu
 100 105 110

<210> 6298
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6298
 Met Thr Lys Glu Glu Lys Leu Gln Leu Arg Lys Glu Lys Lys Gln Gln
 1 5 10 15
 Lys Lys Lys Arg Lys Glu Glu Lys Gly Ala Glu Pro Glu Thr Gly Ser
 20 25 30
 Ala Val Ser Ala Ala Gln Cys Gln Val Gly Pro Thr Arg Glu Leu Pro
 35 40 45
 Glu Ser Gly Ile Gln Leu Gly Thr Pro
 50 55

<210> 6299
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 6299
 Met Gly Leu Ala Gly Val Cys Ala Leu Arg Arg Ser Ala Gly Tyr Ile
 1 5 10 15
 Leu Val Gly Gly Ala Gly Gly Gln Ser Ala Ala Ala Ala Arg Arg
 20 25 30
 Cys Ser Glu Gly Glu Trp Ala Ser Gly Gly Val Arg Ser Phe Ser Arg
 35 40 45
 Ala Ala Ala Ala Met Ala Pro Ile Lys Val Arg Leu Leu Ala Asp Pro
 50 55 60
 Thr Gly Ala Phe Gly Lys Glu Thr Asp Leu Leu Leu Asp Asp Ser Leu
 65 70 75 80
 Val Ser Ile Phe Gly Asn Arg Arg Leu Lys Arg Phe Ser Met Val Val
 85 90 95
 Gln Asp Gly Ile Val Lys Ala Leu Asn Val Glu Pro Asp Gly Thr Gly
 100 105 110
 Leu Thr Cys Ser Leu Ala
 115

<210> 6300
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 6300
 Met Glu Pro Ala Leu Glu Gly Thr Gly Lys Glu Gly Lys Lys Ala Ser
 1 5 10 15
 Ser Arg Lys Arg Thr Leu Ala Glu Pro Pro Ala Lys Gly Leu Leu Gln
 20 25 30
 Pro Val Lys Leu Ser Arg Ala Glu Leu Tyr Lys Glu Pro Thr Asn Glu

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Val Ser Ser Lys Val Lys Ser Ser Pro Thr Trp Tyr Ser Ala Ser Ser
 20 25 30
 Phe Ser Ser Ser Val Pro Thr Val Lys Leu Phe Ile Gly Gly Lys Phe
 35 40 45
 Val Glu Ser Lys Ser Asp Lys Trp Ile Asp Ile His Asn Pro Ala Thr
 50 55 60
 Asn Glu Val Ile Gly Arg Val Pro Gln
 65 70

<210> 6304
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 6304
 Met Glu Asp Leu Asp Gln Ser Pro Leu Val Ser Ser Ser Asp Ser Pro
 1 5 10 15
 Pro Arg Pro Gln Pro Ala Phe Lys Tyr Gln Phe Val Arg Glu Pro Glu
 20 25 30
 Asp Glu Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu Asp Glu Asp
 35 40 45
 Leu Glu Glu Leu Glu Val Leu Glu Arg Lys Pro Ala Ala Gly Leu Ser
 50 55 60
 Ala Ala Pro Val
 65

<210> 6305
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 6305
 Met Ala Ser Cys Ala Glu Pro Ser Glu Pro Ser Ala Pro Leu Pro Ala
 1 5 10 15
 Gly Val Pro Pro Leu Glu Asp Phe Glu Val Leu Asp Gly Val Glu Asp
 20 25 30
 Ala Glu Gly Glu Glu Glu Glu Glu Glu Glu Glu Glu Asp Asp
 35 40 45
 Leu Ser Glu Leu Pro Pro Leu Glu Asp Met Gly Gln Pro Pro Ala Glu
 50 55 60
 Glu Ala Glu Gln Pro Gly Ala Leu Ala Arg Glu Phe Leu Ala Ala Met
 65 70 75 80
 Glu Pro Glu Pro Ala Pro Ala Pro Ala Pro Xaa Glu Trp Leu Asp Ile
 85 90 95
 Leu Gly Asn Gly Leu Leu Arg Lys Lys Thr Leu Val Pro Gly Pro Pro
 100 105 110
 Xaa Ser Ser Ala Gly Gln Gly Gln Val Val Xaa Val His Xaa Gln Thr
 115 120 125
 Ser Leu Glu Asn Ala His
 130

<210> 6306
 <211> 387
 <212> PRT

<213> Homo sapiens

<400> 6306

Met Val Gly Gly Gly Val Gly Gly Gly Leu Leu Glu Asn Ala Asn
1 5 10 15
Pro Leu Ile Tyr Gln Arg Ser Gly Glu Arg Pro Val Thr Ala Gly Glu
20 25 30
Glu Asp Glu Gln Val Pro Asp Ser Ile Asp Ala Arg Glu Ile Phe Asp
35 40 45
Leu Ile Arg Ser Ile Asn Asp Pro Glu His Pro Leu Thr Leu Glu Glu
50 55 60
Leu Asn Val Val Glu Gln Val Arg Val Gln Val Ser Asp Pro Glu Ser
65 70 75 80
Thr Val Ala Val Ala Phe Thr Pro Thr Ile Pro His Cys Ser Met Ala
85 90 95
Thr Leu Ile Gly Leu Ser Ile Lys Val Xaa Xaa Leu Arg Ser Leu Pro
100 105 110
Gln Arg Phe Lys Met Asp Val His Ile Thr Pro Gly Thr His Ala Ser
115 120 125
Glu

<210> 6307

<211> 171

<212> PRT

<213> Homo sapiens

<400> 6307

Met Ser Thr Pro Ala Arg Arg Arg Leu Met Arg Asp Phe Lys Arg Leu
1 5 10 15
Gln Glu Asp Pro Pro Ala Gly Val Ser Gly Ala Pro Ser Glu Asn Asn
20 25 30
Ile Met Val Trp Asn Ala Val Ile Phe Gly Pro Glu Gly Thr Pro Phe
35 40 45
Glu Asp Gly Thr Phe Lys Leu Thr Ile
50 55

<210> 6308

<211> 333

<212> PRT

<213> Homo sapiens

<400> 6308

Met Ser Arg Gln Val Val Arg Ser Ser Lys Phe Arg His Val Phe Gly
1 5 10 15
Gln Pro Ala Lys Ala Asp Gln Cys Tyr Glu Asp Val Arg Val Ser Gln
20 25 30
Thr Thr Trp Asp Ser Gly Phe Cys Ala Val Asn Pro Lys Phe Val Ala
35 40 45
Leu Ile Cys Glu Ala Ser Gly Gly Gly Ala Phe Leu Val Leu Pro Leu
50 55 60
Gly Lys Thr Gly Arg Val Asp Lys Asn Ala Pro Thr Val Cys Gly His
65 70 75 80
Thr Ala Pro Val Leu Asp Ile Xaa Trp Cys Pro His Asn Asp Asn Val
85 90 95

Ile Ala Ser Gly Ser Glu Asp Cys Thr Val Met Val Xaa Glu Ile
 100 105 110

<210> 6309
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 6309
 Met Asp Val Phe Lys Lys Gly Phe Ser Ile Ala Lys Glu Gly Val Val
 1 5 10 15
 Gly Ala Val Glu Lys Thr Lys Gln Gly Val Thr Glu Ala Ala Glu Lys
 20 25 30
 Thr Lys Glu Gly Val Met Tyr Val Gly Ala Lys Thr Lys Glu Asn Val
 35 40 45
 Val Gln Ser Val Thr Ser Val Ala Glu Lys Thr
 50 55

<210> 6310
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 6310
 Met Asp Pro Ser Asp Phe Pro Ser Pro Phe Asp Pro Leu Thr Leu Pro
 1 5 10 15
 Glu Lys Pro Leu Ala Gly Asp Leu Pro Val Asp Met Glu Phe Gly Glu
 20 25 30
 Asp Leu Leu Glu Ser Gln Thr Ala Pro Thr Arg Gly Trp Ala Pro Pro
 35 40 45
 Gly Pro Ser Pro Ser Ser Gly Ala Leu Asp Leu Leu Asp Thr Pro Ala
 50 55 60
 Gly Leu Glu Lys Asp Pro Gly Val Leu Asp Gly Ala Thr Glu Leu Leu
 65 70 75 80
 Gly Leu Gly Xaa Leu Leu Tyr Lys Ala Pro Ser Pro Pro Glu Val Asp
 85 90 95
 His Gly Pro Glu Gly Thr Trp His Gly Met Gln Glu
 100 105

<210> 6311
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 6311
 Met Thr Glu Trp Met Asn Glu Ala Val Leu Leu Asp Trp Ala Leu Ser
 1 5 10 15
 Arg Ala Ala Leu Arg Phe Ser Ala Arg Met Cys Ala Glu Pro Leu Ser
 20 25 30
 Phe Trp Cys Trp Gln Asp Glu Gln Leu Arg Ala Leu Val Arg Gln Phe
 35 40 45
 Gly Gln Gln Asp Trp Lys Phe Leu Ala Ser His Phe Pro Asn Arg Thr
 50 55 60
 Asp Gln Gln Cys Gln Tyr Arg Trp Leu Arg Val Leu Asn Pro Asp Leu

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20 25 30
 Tyr Met Gln Xaa Glu Arg Cys Arg Arg Val Xaa Cys Leu Val Gly Ala
 35 40 45
 Gly Ile Ser Thr Ser Ala Gly Asn Pro
 50 55

<210> 6315
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 6315
 Met Thr Leu Val Leu Ser Met Asn Arg Phe Cys Glu Pro Ile Val Ser
 1 5 10 15
 Glu Gly Ala Ala Glu Ile Ala Gly Tyr Gln Thr Leu Trp Glu Ala Xaa
 20 25 30
 Ser Tyr Xaa Gly Pro Ser Pro Xaa Gly Pro Xaa Gln Ala Pro Leu Gln
 35 40 45
 Gly Asp Arg Gly Ala Gly Pro Pro Leu Ala Gly Ser His Tyr Arg Gly
 50 55 60
 Ile Ser Asn Pro Ile Thr Thr Ser Lys Ile Thr Tyr Phe Lys Arg Lys
 65 70 75 80
 Tyr Val Glu Glu Glu Asp Phe His Pro Pro Leu Ser Ser Cys Ser His
 85 90 95
 Lys Thr Ile Ser Ile Phe Glu Asp Glu
 100 105

<210> 6316
 <211> 270
 <212> PRT
 <213> Homo sapiens

<400> 6316
 Met Xaa Xaa Xaa Ala Ala Gly Val Gly Arg Phe Lys Thr Asn Tyr Ala
 1 5 10 15
 Val Glu Arg Lys Ile Glu Pro Phe Tyr Lys Gly Gly Lys Ala Gln Leu
 20 25 30
 Asp Gln Thr Gly Gln His Leu Phe Cys Val Cys Gly Thr Arg Val Asn
 35 40 45
 Ile Leu Glu Val Ala Ser Gly Ala Val Leu Arg Ser Leu Glu Gln Glu
 50 55 60
 Asp Gln Glu Asp Ile Thr Ala Phe Asp Leu Ser Pro Xaa Xaa Glu Val
 65 70 75 80
 Leu Val Thr Ala Ser Arg Ala Leu Leu Leu
 85 90

<210> 6317
 <211> 450
 <212> PRT
 <213> Homo sapiens

<400> 6317
 Met Glu Leu Arg Ala Lys Glu Glu Glu Arg Leu Asn Lys Leu Arg Leu
 1 5 10 15

Glu Ser Glu Gly Ser Pro Glu Thr Leu Thr Asn Leu Arg Lys Gly Tyr
 20 25 30
 Leu Phe Met Tyr Asn Xaa Val Gln Phe Leu Gly Phe Ser Trp Ile Phe
 35 40 45
 Val Asn Leu Thr Val Arg Phe Cys Ile Leu Gly Lys Glu Ser Phe Tyr
 50 55 60
 Asp Thr Phe His Thr Val Ala Asp Met Met Tyr Phe Cys Gln Met Leu
 65 70 75 80
 Ala Val Val Glu Thr Ile Asn Ala Ala Ile Gly Val Thr Thr Ser Pro
 85 90 95
 Val Leu Pro Ser Leu Ile Gln Leu Leu Gly Arg Asn Phe Ile Leu Phe
 100 105 110
 Ile Ile Phe Gly Thr Met Glu Glu Met Gln Asn Lys Ala Val Val Phe
 115 120 125
 Phe Val Phe Tyr Leu Trp Ser Ala Ile Glu Ile Phe Arg Tyr Ser Phe
 130 135 140
 Tyr Met Leu Thr Cys Ile
 145 150

<210> 6318
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 6318
 Met Asp Pro Val Gly Leu Gln Leu Gly Asn Lys Asn Leu Trp Ser Cys
 1 5 10 15
 Leu Val Arg Leu Leu Thr Lys Asp Pro Glu Trp Leu Asn Ala Lys Met
 20 25 30
 Lys Phe Phe Leu Pro Asn Thr Asp Leu Asp Ser Arg Asn Glu Thr Leu
 35 40 45
 Asp Pro Glu Gln Arg Val Ile Leu Gln Leu Asn Lys Leu His Val Gln
 50 55 60
 Gly Ser Asp Thr Trp Gln Ser Phe Ile His Cys Val Cys Met Gln Leu
 65 70 75 80
 Glu Val Pro Leu Asp Leu Glu Val Leu Leu Leu
 85 90

<210> 6319
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 6319
 Met Ala Ala Gln Ala Leu Ala Leu Leu Arg Glu Val Ala Arg Leu Glu
 1 5 10 15
 Ala Pro Leu Glu Glu Leu Arg Ala Leu His Ser Val Leu Gln Ala Val
 20 25 30
 Pro Leu Asn Glu Xaa Arg Gln Gln Ala Ala Glu Cys Ala Ser Ala Arg
 35 40 45
 Ser Ser Pro Cys Leu Thr Arg Thr Ile Gly Lys Arg Leu Leu Cys Val
 50 55 60
 Tyr Pro Phe Trp Arg Asp Cys Ser Lys Leu Trp Asn Arg Phe Thr
 65 70 75

<210> 6320
 <211> 390
 <212> PRT
 <213> Homo sapiens

<400> 6320
 Met Gly Gln Ile Glu Trp Ala Met Trp Ala Asn Glu Gln Ala Leu Ala
 1 5 10 15
 Ser Gly Leu Ile Leu Ile Thr Gly Gly Ile Val Ala Thr Ala Gly Arg
 20 25 30
 Phe Thr Gln Trp Tyr Phe Gly Ala Tyr Ser Ile Val Ala Gly Val Phe
 35 40 45
 Val Cys Leu Leu Glu Tyr Pro Arg Gly Lys Arg Lys Lys Gly Ser Thr
 50 55 60
 Met Glu Arg Trp Gly Gln Lys Tyr Met Thr Ala Val Val Lys Leu Phe
 65 70 75 80
 Gly Pro Phe Thr Arg Asn Tyr Xaa Cys Ser Gly Arg Pro Ala Ser Pro
 85 90 95
 Ala Leu Gly Ala Arg Arg Leu Leu Xaa Gly His His Xaa Trp Asp Arg
 100 105 110
 Leu Pro Gly His Cys Glu Arg His Leu Pro Thr Gly Gly Cys Ala Trp
 115 120 125
 Arg Ala
 130

<210> 6321
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 6321
 Met Ala Val Cys Ile Ala Val Ile Ala Lys Glu Asn Tyr Pro Leu Tyr
 1 5 10 15
 Ile Arg Ser Thr Pro Thr Glu Asn Glu Leu Lys Phe His Tyr Met Val
 20 25 30
 His Thr Ser Leu Asp Val Val Asp Glu Lys Ile Ser Ala Met Gly Lys
 35 40 45
 Ala Leu Val Asp Gln Arg Glu Leu Tyr Leu Gly Leu Leu Tyr Pro Thr
 50 55 60
 Glu Asp Tyr Lys Val Tyr Leu Ser Gly Gln Gly Val Cys Gln Gly Gly
 65 70 75 80
 Pro Thr Val Ala Arg Cys Thr Leu Gly Ser Asp Asn Leu Lys Pro Phe
 85 90 95
 Arg Arg Lys Arg Gly
 100

<210> 6322
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 6322
 Met Glu Glu Leu Gln Asp Asp Tyr Glu Asp Met Met Glu Glu Asn Leu

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1 5 10 15
 Glu Gln Glu Ala Leu Gly Gly Val Lys Pro Ala Val Leu Thr Arg Ser
 20 25 30
 Gly Asp Pro Ser Gln Pro Leu Leu Pro Gln His Ser Ser Leu Glu Thr
 35 40 45
 Gln Leu Phe Cys Glu Gln Gly Asp Gly Gly Thr Glu Gly
 50 55 60

<210> 6323
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 6323
 Met Ala Ala Ser Thr Asp Met Ala Gly Leu Glu Glu Ser Phe Arg Lys
 1 5 10 15
 Phe Ala Ile His Gly Asp Pro Lys Ala Ser Gly Gln Glu Met Asn Gly
 20 25 30
 Lys Asn Trp Ala Lys Leu Cys Lys Asp Cys Lys Val Ala Asp Gly Lys
 35 40 45
 Ser Val Thr Gly Thr Asp Val Asp Ile Val Phe Ser Lys Val Lys Gly
 50 55 60
 Lys Ser Ala Arg Val Ile Asn Tyr Glu Glu Phe Lys Lys Ala Leu Glu
 65 70 75 80
 Glu Leu Ala

<210> 6324
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 6324
 Met Leu Arg Gly Xaa His Pro Pro Ala Arg Cys Arg Asp Ala Pro Pro
 1 5 10 15
 Thr Pro Leu Pro Leu Gln Leu Asp Gly Trp Ile His Glu Lys Met Leu
 20 25 30
 Met Ala Arg Asp Gly Thr Arg Glu Xaa Xaa His Lys Leu His Lys Arg
 35 40 45
 Trp Leu Arg
 50

<210> 6325
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 6325
 Met Ser Cys Thr Ile Glu Lys Ala Leu Ala Asp Ala Lys Ala Leu Val
 1 5 10 15
 Glu Arg Leu Arg Asp His Asp Asp Ala Ala Glu Ser Leu Ile Glu Gln
 20 25 30
 Thr Thr Ala Leu Xaa Lys Arg Val Glu Ala Met Lys Gln Tyr Gln Glu
 35 40 45
 Glu Ile Gln Glu Leu Asn Glu Val Ala Arg His Arg

50

55

60

<210> 6326

<211> 237

<212> PRT

<213> Homo sapiens

<400> 6326

Met	Ser	Tyr	Asn	Tyr	Val	Val	Thr	Ala	Gln	Lys	Pro	Thr	Ala	Val	Asn
1			5						10					15	
Gly	Cys	Val	Thr	Gly	His	Phe	Thr	Ser	Ala	Glu	Asp	Leu	Asn	Leu	Leu
		20						25					30		
Ile	Ala	Lys	Asn	Thr	Arg	Leu	Glu	Ile	Tyr	Val	Val	Thr	Ala	Glu	Gly
		35					40					45			
Leu	Arg	Pro	Val	Lys	Glu	Val	Gly	Met	Tyr	Gly	Lys	Ile	Ala	Val	Met
	50					55					60				
Glu	Leu	Phe	Arg	Pro	Lys	Gly	Glu	Ser	Lys	Asp	Leu	Leu	Phe	Ile	
65					70					75					

<210> 6327

<211> 324

<212> PRT

<213> Homo sapiens

<400> 6327

Met	Ala	Val	Leu	Leu	Glu	Thr	Thr	Leu	Gly	Asp	Val	Val	Ile	Asp	Leu
1			5						10					15	
Tyr	Thr	Glu	Glu	Arg	Pro	Arg	Ala	Cys	Leu	Asn	Phe	Leu	Lys	Leu	Cys
		20						25					30		
Lys	Ile	Lys	Tyr	Tyr	Asn	Tyr	Cys	Leu	Ile	His	Asn	Val	Gln	Arg	Asp
		35					40					45			
Phe	Ile	Ile	Gln	Thr	Gly	Asp	Pro	Thr	Gly	Thr	Gly	Arg	Gly	Gly	Glu
	50					55					60				
Ser	Ile	Phe	Gly	Gln	Leu	Tyr	Gly	Asp	Gln	Ala	Ser	Phe	Phe	Glu	Ala
65					70				75					80	
Glu	Lys	Val	Pro	Arg	Ile	Lys	His	Lys	Lys	Lys	Gly	Thr	Val	Ser	Met
			85					90						95	
Val	Asn	Asn	Gly	Ser	Asp	Gln	His	Gly	Ser	Gln	Phe				
		100						105							

<210> 6328

<211> 213

<212> PRT

<213> Homo sapiens

<400> 6328

Met	Met	Glu	Lys	Asn	Thr	Ser	Glu	Gly	Pro	Ala	Cys	Ser	Pro	Glu	Glu
1			5						10					15	
Thr	Ala	Ser	Glu	Ser	Ala	Lys	Val	Pro	Thr	Ala	Glu	Pro	Pro	Gly	Glu
		20						25					30		
Val	Ala	Val	Ser	Glu	Ser	Thr	Arg	Glu	Glu	Gln	Val	Pro	Lys	Pro	Gln
		35					40					45			
Ala	Leu	Pro	His	Arg	Pro	Leu	Gln	Xaa	Pro	Gln	Pro	Leu	Ser	Leu	His
	50					55					60				

004220" 6667560

Pro Gln Val Lys Met Ser Pro
65 70

<210> 6329
<211> 324
<212> PRT
<213> Homo sapiens

<400> 6329
Met Gly Glu Ala Glu Lys Phe His Tyr Ile Tyr Ser Cys Asp Leu Asp
1 5 10 15
Ile Asn Val Gln Leu Lys Ile Gly Ser Leu Glu Gly Lys Arg Glu Gln
20 25 30
Lys Ser Tyr Lys Ala Val Leu Glu Asp Pro Met Leu Lys Phe Ser Gly
35 40 45
Leu Tyr Gln Glu Thr Cys Ser Asp Leu Tyr Val Thr Cys Gln Val Phe
50 55 60
Ala Glu Gly Lys Pro Leu Ala Xaa Pro Val Arg Thr Ser Tyr Lys Ala
65 70 75 80
Phe Ser Thr Arg Trp Asn Trp Asn Glu Trp Leu Lys Leu Pro Val Lys
85 90 95
Tyr Pro Asp Leu Pro Arg Asn Ala Gln Val Ala Leu
100 105

<210> 6330
<211> 249
<212> PRT
<213> Homo sapiens

<400> 6330
Met Ala Ser Arg Lys Ala Gly Thr Arg Gly Lys Val Ala Ala Thr Lys
1 5 10 15
Gln Ala Gln Arg Gly Ser Ser Asn Val Phe Ser Met Phe Glu Gln Ala
20 25 30
Gln Ile Gln Glu Phe Lys Glu Ala Phe Ser Cys Ile Asp Gln Asn Arg
35 40 45
Asp Gly Ile Ile Cys Lys Ala Asp Leu Arg Glu Thr Tyr Ser Gln Leu
50 55 60
Gly Lys Val Ser Val Pro Glu Glu Glu Leu Asp Ala Met Leu Gln Glu
65 70 75 80
Gly Lys Gly

<210> 6331
<211> 339
<212> PRT
<213> Homo sapiens

<400> 6331
Met Ile Pro Ile Cys Pro Val Val Ser Phe Thr Tyr Val Pro Ser Arg
1 5 10 15
Leu Gly Glu Asp Ala Lys Met Xaa Thr Gly Asn Tyr Phe Gly Phe Thr
20 25 30
His Ser Gly Ala Ala Ala Ala Ala Ala Ala Gln Tyr Ser Gln Gln
35 40 45

004220" 6667560

Pro Ala Ser Gly Val Ala Tyr Ser His Pro Thr Thr Val Ala Ser Tyr
 50 55 60
 Thr Val His Gln Ala Pro Val Ala Ala His Thr Val Thr Ala Ala Tyr
 65 70 75 80
 Ala Xaa Ala Ala Ala Thr Val Ala Val Ala Arg Pro Ala Pro Val Ala
 85 90 95
 Val Ala Ala Ala Thr Ala Ala Ala Tyr Gly Gly Tyr Pro Leu His
 100 105 110
 Thr

<210> 6332
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 6332
 Met Phe Gln Ile Pro Glu Phe Glu Pro Ser Glu Gln Glu Asp Ser Ser
 1 5 10 15
 Ser Ala Glu Arg Gly Leu Gly Pro Ser Pro Ala Gly Thr Gly Pro Gln
 20 25 30
 Ala Pro Ala Ser Ile Ile Ala Arg Pro Gln Ala Ser Cys Gly Thr Pro
 35 40 45
 Val Thr Ser Arg Ser Ser Gln Pro
 50 55

<210> 6333
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 6333
 Met Gln Leu Thr Glu Arg Glu Arg Gln Pro Val Leu Pro Ser Leu Ser
 1 5 10 15
 Leu Gly Ile Ser Ser His Gln Gly Pro Ala Phe Arg Thr Ser Asn Asn
 20 25 30
 Pro Ser Leu Leu Pro Cys His Ser Leu Pro Glu Arg Lys Glu Lys Glu
 35 40 45
 Arg Xaa Arg Phe Trp Asn Leu Asn Leu Pro Lys Glu Glu Thr Tyr
 50 55 60

<210> 6334
 <211> 471
 <212> PRT
 <213> Homo sapiens

<400> 6334
 Met Glu Arg Arg Leu Ile Lys Lys Glu Met Lys Lys Leu Leu Gly Asp
 1 5 10 15
 Tyr Ile Gly Ile Arg Leu Arg Glu Asn Glu Phe Asp Pro Lys Gly Arg
 20 25 30
 Arg Gln Leu Thr Phe Leu Asp Asp Met Ala His Tyr Asp Leu Ala Ile
 35 40 45
 Ser Val Ala Leu Gln Trp Leu Asp Pro Ser Glu Asp Leu Thr Trp Leu
 50 55 60

Glu Trp Glu Glu Leu Lys Ile Pro Leu His Gly Arg Pro Ile Tyr Pro
 65 70 75 80
 Asn Arg Arg Xaa Arg Glu Ala Ile Ile Leu Ser Ser Tyr Ala Gly Ile
 85 90 95
 Leu Met Asn Ser Ile Pro Ile Glu Glu Val Phe Lys Ile Tyr Gly Ala
 100 105 110
 Asp Ser Ser Ala Asp Ser Gly Thr Ile Lys Val Pro Arg Val Ser Ser
 115 120 125
 Leu Arg Leu Ser Leu His Pro Phe Ala Met Leu Thr Ala Pro Lys Ala
 130 135 140
 Ala Ala Tyr Ala Arg Lys Gln Gly Val Lys Ser Arg Lys
 145 150 155

<210> 6335
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 6335
 Met Ala Ser Thr Pro Met Gly Asn Glu Gly Glu Lys Lys Ser Ser Trp
 1 5 10 15
 Pro Ser Gln Ala Ala Pro Ser Leu Arg Gly Gly Pro Ala Ser Leu Ser
 20 25 30
 Arg Ser Glu Glu Tyr Leu Ser Gln Ile Ser Ala Glu Leu Met Glu Glu
 35 40 45
 Ala Leu Cys Thr Ala Cys Cys His Leu Asn Pro Val
 50 55 60

<210> 6336
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 6336
 Met Val Val Gly Tyr Pro Leu Val Val Val Met Gly Val Leu Pro Leu
 1 5 10 15
 Glu Gly Leu Met Asp His Gln Leu Val Glu Gly Pro Met Asp Thr Pro
 20 25 30
 Ile Leu Gly Cys Ser Pro Leu Glu Leu Gln Glu Asp His Met Ala Val
 35 40 45
 Gln Leu Pro Gly Ala Pro Met Val Ser His Leu Gln Val Pro Thr Val
 50 55 60
 Pro Ser Ser Leu Gly Phe Met Asp Arg Val Ala Pro Leu Pro Met Trp
 65 70 75 80
 Ile Leu Arg Pro Thr Pro Gly Ser Ser Arg Trp Thr Gln Xaa Thr Val
 85 90 95
 Xaa Xaa Ile Ser Met Lys Glu Leu Lys Gln Ala Leu Val
 100 105

<210> 6337
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 6337

Met Asp Arg Ser Leu Pro Val Phe Ser Ile Gln Asp Ser Pro Phe Gly
1 5 10 15
Asp Ala Pro Leu Gly Arg Ser His Tyr Trp Pro Ser Gln Ser Gln Thr
20 25 30
Trp Cys Pro Lys Thr Leu Ser Pro Ser Arg Ser Gln Arg Ser Arg Leu
35 40 45
Pro Gln Ala Pro Lys Ala Leu Ala Thr Gly Pro Asn Ser Pro Glu Leu
50 55 60
Phe Glu Glu Ser Trp Pro Ser Ser Ser Gly Thr Pro Ser Leu Pro Ser
65 70 75 80
Thr Thr Glu Gly Gln Met Trp Ala Ser Pro Ala Pro
85 90

<210> 6338

<211> 402

<212> PRT

<213> Homo sapiens

<400> 6338

Met Glu Met Phe Gln Arg Ala Gln Ala Leu Arg Arg Arg Ala Glu Asp
1 5 10 15
Tyr Tyr Arg Cys Lys Ile Thr Pro Ser Ala Arg Lys Pro Leu Cys Asn
20 25 30
Arg Val Arg Met Ala Ala Val Glu His Arg His Ser Ser Gly Leu Pro
35 40 45
Tyr Trp Pro Tyr Leu Thr Ala Glu Thr Leu Lys Asn Arg Met Gly His
50 55 60
Gln Pro Pro Pro Pro Thr Gln Gln His Ser Ile Ile Asp Asn Ser Leu
65 70 75 80
Ser Leu Lys Thr Pro Xaa Glu Xaa Leu Leu Xaa Pro Leu Pro Pro Ser
85 90 95
Ala Asp Asp Asn Leu Lys Thr Pro Pro Glu Cys Leu Leu Thr Pro Leu
100 105 110
Pro Pro Ser Ala Leu Pro Ser Ala Asp Asp Asn Leu Lys Thr Pro Ala
115 120 125
Glu Cys Leu Leu Tyr Pro
130

<210> 6339

<211> 276

<212> PRT

<213> Homo sapiens

<400> 6339

Met Pro Val Val Arg Lys Ile Phe Arg Arg Arg Arg Gly Asp Ser Glu
1 5 10 15
Ser Glu Glu Asp Glu Gln Asp Ser Glu Glu Val Arg Leu Lys Leu Glu
20 25 30
Glu Thr Arg Glu Val Gln Asn Leu Arg Lys Arg Pro Asn Gly Val Ser
35 40 45
Ala Val Ala Leu Leu Val Gly Glu Lys Val Gln Glu Glu Thr Thr Leu
50 55 60
Val Asp Asp Pro Phe Gln Met Lys Thr Gly Gly Met Val Asp Met Lys

65 70 75 80
 Lys Leu Lys Glu Arg Gly Lys Asp Xaa Ile Ser Glu
 85 90

<210> 6340
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 6340
 Met Asp Thr Asp Leu Tyr Asp Glu Phe Gly Asn Tyr Ile Gly Pro Glu
 1 5 10 15
 Leu Asp Ser Asp Glu Asp Asp Asp Glu Leu Gly Arg Glu Thr Lys Asp
 20 25 30
 Leu Asp Glu Met Asp Asp Asp Asp Asp Asp Val Gly Asp His
 35 40 45
 Asp Asp Asp His Pro Gly Met Glu Val Val Leu His Glu Asp Lys Lys
 50 55 60
 Tyr Tyr Pro Thr Ala Glu Glu Val Tyr Gly Pro Glu Val Glu Thr Ile
 65 70 75 80
 Val Gln Glu Glu Asp Thr Gln Pro Leu Thr Glu Pro Ile Ile Lys Pro
 85 90 95
 Val Lys Thr Lys Lys Phe Thr Leu Met Glu Gln Thr Leu Pro Val Thr
 100 105 110
 Val Tyr Glu Met Asp Phe Leu Ala Asp Leu Met Asp Asn Ser Glu Leu
 115 120 125

<210> 6341
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 6341
 Met Ala Ala Ser Cys Val Leu Leu His Thr Gly Gln Lys Met Pro Leu
 1 5 10 15
 Ile Gly Leu Gly Thr Trp Lys Ser Glu Pro Gly Gln Val Lys Ala Ala
 20 25 30
 Val Lys Tyr Ala Leu Ser Val Gly Tyr Arg His Ile Asp Cys Ala Ala
 35 40 45
 Ile Tyr Gly Asn Glu Pro Glu Ile Gly Glu
 50 55

<210> 6342
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 6342
 Met Ala Ala Ser Cys Val Leu Leu His Thr Gly Gln Lys Met Pro Leu
 1 5 10 15
 Ile Gly Leu Gly Thr Trp Lys Ser Glu Pro Gly Gln Val Lys Ala Ala
 20 25 30
 Val Lys Tyr Ala Leu Ser Val Gly Tyr Arg His Ile Asp Cys Ala Ala
 35 40 45

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Ile Tyr Gly Asn Glu Pro Glu Ile Gly Glu
50 55

<210> 6343
<211> 252
<212> PRT
<213> Homo sapiens

<400> 6343
Met Lys Gln Leu Pro Val Leu Glu Pro Gly Asp Lys Pro Arg Lys Ala
1 5 10 15
Thr Trp Tyr Thr Leu Thr Val Pro Gly Asp Ser Pro Cys Ala Arg Val
20 25 30
Gly His Ser Cys Ser Tyr Leu Pro Pro Val Gly Asn Ala Lys Arg Gly
35 40 45
Xaa Val Phe Ile Val Gly Gly Ala Asn Pro Asn Arg Ser Phe Ser Asp
50 55 60
Val His Xaa Val Gly Ser Gly His Ser Asp Leu Val Thr Ala Arg Asp
65 70 75 80
Thr Trp Lys Ser

<210> 6344
<211> 171
<212> PRT
<213> Homo sapiens

<400> 6344
Met Lys Ala Gly Ala Thr Ser Met Trp Ala Ser Cys Cys Gly Leu Leu
1 5 10 15
Asn Glu Val Met Gly Thr Gly Ala Val Arg Gly Gln Gln Ser Ala Phe
20 25 30
Ala Gly Ala Thr Gly Pro Phe Arg Phe Thr Pro Asn Pro Glu Phe Ser
35 40 45
Thr Tyr Pro Pro Ala Ala Thr Glu Gly
50 55

<210> 6345
<211> 189
<212> PRT
<213> Homo sapiens

<400> 6345
Met Met Ile Thr Gly Leu Trp Thr Pro Trp Thr Gly Pro Trp Leu Ser
1 5 10 15
Trp Leu Pro Glu Gly Gln Gly Pro Pro Met Ser Pro Val Ser Ala
20 25 30
Phe Trp Asn Cys Pro Ser Leu Lys Glu Ala Leu Glu Arg Ala Glu Gln
35 40 45
Leu Cys Tyr Glu Cys Val Cys Val Cys Val Leu Phe Leu Phe Phe
50 55 60

<210> 6346
<211> 177
<212> PRT

<213> Homo sapiens

<400> 6346

Met Trp Thr Leu Arg Gly Pro Ser Ala Phe Ser Ser Leu Arg Thr Ile
1 5 10 15
Val Leu Arg Trp Cys Ser Gln Gln Gly Ser Asp Ser Val Cys Gly Gly
20 25 30
Val Trp Pro Leu Arg Leu Cys Leu Gly Gly Val Val Val Met Ser Gly
35 40 45
Val Cys Asp Pro Asp Cys Ala Gly Leu Cys Val
50 55

<210> 6347

<211> 168

<212> PRT

<213> Homo sapiens

<400> 6347

Met Ala Gly Ile Leu Xaa Glu Xaa Ile Phe Asp Val Lys Asp Ile Asp
1 5 10 15
Pro Glu Gly Lys Lys Phe Asp Arg Val Ser Arg Leu His Cys Glu Ser
20 25 30
Glu Ser Phe Lys Met Asp Leu Ile Leu Xaa Val Asn Ile Gln Ile Tyr
35 40 45
Pro Val Asp Leu Gly Asp Lys Phe
50 55

<210> 6348

<211> 363

<212> PRT

<213> Homo sapiens

<400> 6348

Met Val His Gln Val Leu Tyr Arg Ala Leu Val Ser Thr Lys Trp Leu
1 5 10 15
Ala Glu Ser Ile Arg Thr Gly Lys Leu Gly Pro Gly Leu Arg Val Leu
20 25 30
Asp Ala Ser Trp Tyr Ser Pro Gly Thr Arg Glu Ala Arg Lys Glu Tyr
35 40 45
Leu Glu Arg His Val Pro Gly Ala Ser Phe Phe Asp Ile Glu Glu Cys
50 55 60
Arg Asp Thr Ala Ser Pro Tyr Glu Met Met Leu Pro Ser Glu Ala Gly
65 70 75 80
Phe Ala Glu Tyr Val Gly Arg Leu Gly Ile Ser Asn His Thr His Val
85 90 95
Val Val Tyr Asp Gly Glu His Trp Ala Ala Ser Met Leu Pro Gly Ser
100 105 110
Gly Gly Cys Ser Val Cys Leu Ala Thr
115 120

<210> 6349

<211> 324

<212> PRT

<213> Homo sapiens

<400> 6349

Met Ser Arg Phe Lys Phe Ile Asp Ile Gly Ile Asn Leu Thr Asp Pro
 1 5 10 15
 Met Phe Arg Gly Ile Tyr Arg Gly Val Gln Lys His Gln Asp Asp Leu
 20 25 30
 Gln Asp Val Ile Gly Arg Ala Val Glu Ile Gly Val Lys Lys Phe Met
 35 40 45
 Ile Thr Gly Gly Asn Leu Gln Asp Ser Lys Asp Ala Leu His Leu Ala
 50 55 60
 Gln Xaa Asn Gly Met Phe Phe Ser Thr Val Gly Cys His Pro Thr Arg
 65 70 75 80
 Cys Gly Glu Phe Glu Lys Asn Asn Pro Asp Leu Tyr Leu Lys Glu Leu
 85 90 95
 Leu Asn Leu Ala Glu Asn Asn Lys Gly Lys Val Val
 100 105

<210> 6350

<211> 195

<212> PRT

<213> Homo sapiens

<400> 6350

Met Lys Gly Gly Phe Thr Gly Gly Asp Glu Tyr Gln Lys His Phe Leu
 1 5 10 15
 Pro Arg Asp Tyr Leu Ala Thr Tyr Tyr Ser Phe Asp Gly Ser Pro Ser
 20 25 30
 Pro Glu Ala Glu Met Leu Lys Phe Asn Leu Glu Cys Leu His Lys Thr
 35 40 45
 Phe Gly Pro Gly Gly Leu Gln Gly Asp Thr Leu Ile Asp Ile Gly Ser
 50 55 60
 Gly
 65

<210> 6351

<211> 243

<212> PRT

<213> Homo sapiens

<400> 6351

Met Leu Leu Pro Val Trp Arg His Gly Gln Phe Pro Ala Pro Arg Ser
 1 5 10 15
 Ser Phe Leu Pro Ser Leu Arg Arg Ser His Asn Phe Gln Glu His Gly
 20 25 30
 Leu Lys Ala Pro Ser Pro Gln Arg Pro Ser Glu Ile Leu Cys Val Phe
 35 40 45
 Leu Arg Phe Leu Arg Pro Phe Leu Phe Trp Gly Ala Leu Arg Ser Pro
 50 55 60
 Cys Leu Ser Pro Pro Leu Pro Leu Ser Gln Thr Cys Leu Leu Pro Ser
 65 70 75 80
 Arg

<210> 6352

<211> 201

<212> PRT

<213> Homo sapiens

<400> 6352

Met Ala Ala Ala Ala Thr Leu Ala Met Ala Val Lys Pro Ile Arg Thr
1 5 10 15
Tyr Ser Gly Glu Gly Asp Thr Val Arg Thr His Arg Gly Ala Gly Gly
20 25 30
Asp Val Glu Gly Gly Gly Gly Lys Lys Ser Asp Arg Glu Gln Glu Glu
35 40 45
Gly Arg Ala Gly Thr Gln Arg Ala Val Glu Ala Ser Ala Gly Ser Ser
50 55 60
Lys Ser Gly
65

<210> 6353

<211> 192

<212> PRT

<213> Homo sapiens

<400> 6353

Met Ala Arg Phe Ser Arg Gly Phe His Trp Ser Gln Pro Gly Pro Pro
1 5 10 15
Gly Asn Pro Pro Leu Ile Gly Gln Ser His Gln Glu Gly Trp Ser Arg
20 25 30
Ala Gln Val Phe Leu Arg Ile Trp Val Ile Tyr Lys Lys Pro Leu Ala
35 40 45
Glu Cys Arg Val Gly Arg Thr Lys Asp Lys Ser Ile Phe Phe Gln Lys
50 55 60

<210> 6354

<211> 276

<212> PRT

<213> Homo sapiens

<400> 6354

Met Pro Ser Lys Lys Lys Lys Tyr Asn Ala Arg Phe Pro Pro Ala Arg
1 5 10 15
Ile Lys Lys Ile Met Gln Thr Asp Glu Xaa Ile Xaa Lys Val Ala Ala
20 25 30
Ala Val Pro Val Ile Ile Ser Arg Ala Leu Glu Leu Phe Leu Glu Ser
35 40 45
Leu Leu Lys Lys Ala Cys Gln Val Thr Gln Ser Arg Asn Xaa Arg Thr
50 55 60
Met Thr Thr Ser His Leu Lys Gln Cys Ile Glu Leu Glu Gln Gln Phe
65 70 75 80
Asp Phe Leu Lys Asp Leu Val Ala Ser Val Pro Asp
85 90

<210> 6355

<211> 204

<212> PRT

<213> Homo sapiens

004220" 5662750

<400> 6355

Met Met Asp Val Ser Gly Val Gly Phe Pro Ser Lys Val Pro Trp Lys
1 5 10 15
Lys Met Ser Ala Glu Glu Leu Glu Asn Gln Tyr Cys Pro Ser Arg Trp
20 25 30
Val Val Arg Leu Gly Ala Glu Glu Ala Leu Arg Thr Tyr Ser Gln Ile
35 40 45
Gly Ile Glu Gly Thr Ser Val Thr Ser Leu Trp Pro His Trp Val Ser
50 55 60
Leu Ser Met Trp
65

<210> 6356

<211> 285

<212> PRT

<213> Homo sapiens

<400> 6356

Met Asn Pro Phe Cys Glu Ile Ala Val Glu Glu Ala Val Arg Leu Lys
1 5 10 15
Glu Lys Lys Leu Val Lys Glu Val Ile Ala Val Ser Cys Gly Pro Ala
20 25 30
Gln Cys Gln Glu Thr Ile Arg Thr Ala Leu Ala Met Gly Ala Asp Arg
35 40 45
Gly Ile His Val Glu Val Pro Pro Ala Glu Ala Glu Arg Leu Gly Pro
50 55 60
Leu Gln Val Ala Arg Val Leu Ala Lys Leu Ala Glu Lys Glu Lys Val
65 70 75 80
Asp Leu Val Leu Leu Gly Lys Gln Ala Ile Asp Asp Asp Cys Asn
85 90 95

<210> 6357

<211> 255

<212> PRT

<213> Homo sapiens

<400> 6357

Met Gly Ser Arg Ala Ser Thr Leu Leu Arg Asp Glu Glu Leu Glu Glu
1 5 10 15
Ile Lys Lys Glu Thr Gly Phe Ser His Ser Gln Ile Thr Arg Leu Tyr
20 25 30
Ser Arg Phe Thr Ser Leu Asp Lys Gly Glu Asn Gly Thr Leu Ser Arg
35 40 45
Glu Asp Phe Gln Arg Ile Pro Glu Leu Ala Ile Asn Pro Leu Gly Asp
50 55 60
Arg Ile Ile Asn Ala Phe Phe Pro Xaa Gly Glu Asp Gln Val Asn Phe
65 70 75 80
Arg Gly Phe Met Arg
85

<210> 6358

<211> 165

<212> PRT

<213> Homo sapiens

004222" 6667360

<400> 6358

Met Leu Arg Gly Arg Glu Asp Gly Glu Leu Glu Glu Gly Glu Leu Glu
 1 5 10 15
 Asp Asp Gly Ala Glu Glu Thr Gln Asp Thr Ser Gly Gly Pro Glu Arg
 20 25 30
 Ser Arg Lys Glu Lys Gly Glu Lys His His Ser Asp Ser Asp Glu Glu
 35 40 45
 Lys Ser His Arg Arg Arg Ser
 50 55

<210> 6359

<211> 282

<212> PRT

<213> Homo sapiens

<400> 6359

Met Ala Pro Phe Pro Glu Glu Val Asp Val Phe Thr Ala Pro His Trp
 1 5 10 15
 Arg Met Lys Gln Leu Val Gly Leu Tyr Cys Asp Lys Leu Ser Lys Thr
 20 25 30
 Asn Phe Ser Asn Asn Asn Asp Phe Arg Ala Leu Leu Gln Ser Leu Tyr
 35 40 45
 Ala Thr Phe Lys Glu Phe Lys Met His Glu Gln Ile Val Asn Glu Tyr
 50 55 60
 Ile Ile Gly Leu Leu Gln Gln Arg Ser Gln Thr Ile Tyr Asn Val His
 65 70 75 80
 Ser Asp Lys Asn Ser Pro Arg Cys Leu Ala Ser Leu Lys Arg
 85 90

<210> 6360

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6360

Met Thr Arg Thr Ser Ser Gly Xaa Gly Leu Xaa Glu Ala Gly Pro Lys
 1 5 10 15
 Glu Ser Ser Glu Glu Gly Lys Glu Gly Lys Thr Pro Ser Lys Glu Lys
 20 25 30
 Lys Lys Lys Lys Lys Lys Gly Lys Glu Glu Glu Glu Lys Ala Ala Lys
 35 40 45
 Lys Lys Ser Lys His Lys Lys
 50 55

<210> 6361

<211> 246

<212> PRT

<213> Homo sapiens

<400> 6361

Met Gln Lys Phe Ile Glu Ala Asp Tyr Tyr Glu Leu Asp Trp Tyr Tyr
 1 5 10 15
 Glu Glu Cys Ser Asp Val Leu Cys Ala Pro Ser Gly His Phe Tyr Leu

004220" 65527550

		20						25					30				
Asn	Arg	Ser	Gly	Pro	Thr	Ala	Thr	Gly	Thr	Cys	Leu	Pro	Asp	Ser			
		35				40					45						
Arg	His	Ser	Ala	Cys	Gly	Cys	Lys	Ser	Leu	Thr	Gly	Lys	Ile	His	Ala		
	50				55					60							
Phe	Leu	Leu	Gly	Pro	Met	Thr	Lys	Glu	Glu	Asn	Lys	Asn	His	Thr	Pro		
65					70					75					80		
Tyr	Thr																

<210> 6362
 <211> 288
 <212> PRT
 <213> Homo sapiens

Met	Ser	Ser	Lys	Gln	Glu	Ile	Met	Ser	Asp	Gln	Arg	Phe	Arg	Arg	Val		
1			5						10					15			
Ala	Lys	Asp	Pro	Arg	Phe	Trp	Glu	Met	Pro	Glu	Lys	Asp	Arg	Lys	Val		
			20				25					30					
Lys	Ile	Asp	Lys	Arg	Phe	Arg	Ala	Met	Phe	His	Asp	Lys	Lys	Phe	Lys		
	35					40					45						
Leu	Asn	Tyr	Ala	Val	Asp	Lys	Arg	Gly	Arg	Pro	Ile	Ser	His	Ser	Thr		
	50				55				60								
Thr	Glu	Asp	Leu	Lys	Arg	Phe	Tyr	Asp	Xaa	Ser	Asp	Ser	Asp	Ser	Asn		
65				70				75							80		
Leu	Ser	Gly	Glu	Asp	Ser	Lys	Ala	Leu	Ser	Gln	Lys	Lys	Ile	Lys	Lys		
			85					90						95			

<210> 6363
 <211> 171
 <212> PRT
 <213> Homo sapiens

Met	Leu	Leu	Arg	Val	Cys	Val	Gly	Arg	Gly	Ser	Leu	Gly	Thr	Leu	Gln		
1			5						10					15			
Arg	Trp	Arg	Trp	Ala	Asp	Gly	Leu	Ala	Ala	Trp	Trp	Leu	Met	Val	Leu		
			20				25					30					
Leu	Pro	Leu	Pro	Phe	Phe	Phe	Glu	Phe	Ile	Leu	Ile	Asp	Phe	Phe	Xaa		
	35					40					45						
Trp	Phe	Leu	Asp	Lys	Pro	Pro	Ser	Gly									
	50				55												

<210> 6364
 <211> 255
 <212> PRT
 <213> Homo sapiens

Met	Lys	Met	Trp	Thr	Asn	Thr	Pro	His	Gln	Pro	Gln	Val	Pro	Lys	Gly		
1			5						10					15			
Gly	Arg	Arg	Gly	Arg	His	Pro	Val	Lys	Arg	Arg	Ser	Arg	Ser	Gly	Val		
			20				25					30					
Lys	Gly	Leu	Lys	Thr	Thr	Arg	Lys	Ala	Lys	Arg	Pro	Leu	Arg	Gly	Ser		

35 40 45
 Ser Ser Gln Lys Ala Gly Glu Thr Asn Thr Pro Ala Gly Lys Pro Lys
 50 55 60
 Lys Ala Arg Gly Pro Ile Leu Arg Gly Arg Tyr His Arg Leu Xaa Xaa
 65 70 75 80
 Lys Met Lys Lys Glu
 85

<210> 6365
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 6365
 Met Ser Cys Thr Ile Glu Lys Ile Leu Thr Asp Ala Lys Thr Leu Leu
 1 5 10 15
 Glu Arg Leu Arg Glu His Asp Ala Ala Ala Glu Ser Leu Val Asp Gln
 20 25 30
 Ser Ala Ala Leu His Arg Arg Val Ala Ala Met Arg Glu Ala Gly Thr
 35 40 45
 Ala Xaa Pro Asp
 50

<210> 6366
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 6366
 Met Ala Ser Gly Pro His Ser Thr Ala Thr Ala Ala Xaa Ala Ala Ser
 1 5 10 15
 Ser Ala Ala Pro Ser Xaa Gly Gly Ser Ser Ser Gly Thr Thr Thr Thr
 20 25 30
 Thr Thr Thr Thr Thr Gly Gly Ile Leu Ile Gly Asp Arg Leu Tyr Ser
 35 40 45
 Glu Val Ser Leu Thr Ile Asp His Ser Leu Ile Pro Glu Arg Gly Ser
 50 55 60
 Arg Pro Pro His Pro Cys Arg Met Gly Ser Thr Cys Pro Val Arg Arg
 65 70 75 80
 Thr Tyr Ala Ser Trp Ala Ala Xaa Ser Ser Arg Pro Pro Ala Phe Ser
 85 90 95
 Ser Xaa Cys Arg Arg Trp
 100

<210> 6367
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 6367
 Met Lys Pro Lys Gly Ile Ser Glu Leu Gln His Leu Asn Asp Xaa Thr
 1 5 10 15
 Gln Arg Phe Thr Gln Lys Xaa Gly His Asn Ser Glu Glu Pro Pro Arg
 20 25 30

Arg Arg Gln Gln Cys Pro Cys Tyr Pro Cys His Thr Gln Arg Leu Pro
 35 40 45
 Leu Cys Leu Leu Val Leu Thr Val Thr Ile Lys Gly Arg Pro Leu Val
 50 55 60
 Cys Phe Leu Asn Glu Pro
 65 70

<210> 6368
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 6368
 Met Ala Ser Leu Met Pro Ser Leu Leu His Ser Arg Cys Pro Glu Ala
 1 5 10 15
 Pro Gly Arg Ala Ser Phe Met Glu Ile Gln Asn Cys Asn Arg Thr Gly
 20 25 30
 Pro Cys Thr Trp Lys Gly Pro Ala Phe Gly Asn Val Leu Leu Ser Pro
 35 40 45
 Ser Ala Gly Leu Ile Ile Phe Lys Glu Ala Leu Asp Leu His Phe Asp
 50 55 60
 Trp Val Leu Gln Ile Ile
 65 70

<210> 6369
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 6369
 Met Ser Arg Phe Pro Ala Val Ala Gly Arg Ala Pro Arg Arg Gln Glu
 1 5 10 15
 Glu Gly Glu Arg Ser Arg Asp Leu Gln Glu Glu Arg Leu Ser Ala Val
 20 25 30
 Cys Ile Ala Asp Arg Glu Glu Lys Gly Cys Thr Ser Gln Glu Gly Gly
 35 40 45
 Thr Thr Pro Thr Phe Pro Ile Gln Lys Gln Arg Lys Lys Ile Ile Gln
 50 55 60
 Ala Val Arg Asp Asn Ser Phe Leu Ile Val Thr Gly Asn Thr Gly Ser
 65 70 75 80
 Gly Lys Thr Thr Gln Leu Pro Lys Tyr Leu Tyr Glu Ala Gly Phe Ser
 85 90 95
 Gln His Gly Met Ile Gly Val Thr Gln Pro Arg Lys Val
 100 105

<210> 6370
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 6370
 Met Xaa Leu Gly Ala Gln Arg Pro Ala Ser Val Trp Ser Gly Gly Gly
 1 5 10 15
 Ala Glu Arg Gly Ile Thr Leu Tyr Lys Gly Pro Ala Lys Ser Arg Asp

		20					25				30				
Gly	Glu	Arg	Thr	Val	Tyr	Cys	Asn	Val	His	Lys	His	Glu	Pro	Leu	Val
		35					40					45			
Leu	Phe	Cys	Glu	Ser	Cys	Asp	Thr	Leu	Thr	Cys	Arg	Asp	Cys	Gln	Leu
	50					55					60				
Asn	Ala	His	Lys	Asp	His	Gln	Tyr	Gln	Phe	Leu	Glu	Asp	Ala	Val	Arg
65					70					75					80
Asn	Gln	Arg	Xaa	Pro	Gly	Leu	Thr	Gly	Glu	Ala	Pro	Trp	Gly	Gln	His
			85						90					95	
Ala	Thr	Leu	Gln	Lys	Ser	Thr	Arg	Lys							
		100						105							

<210> 6371
 <211> 201
 <212> PRT
 <213> Homo sapiens

Met	Glu	Glu	Met	Ser	Gly	Glu	Ser	Val	Val	Ser	Ser	Ala	Val	Pro	Ala
1			5					10					15		
Ala	Ala	Thr	Arg	Thr	Thr	Ser	Phe	Lys	Gly	Thr	Ser	Pro	Ser	Ser	Lys
			20					25				30			
Tyr	Val	Lys	Leu	Asn	Val	Gly	Gly	Ala	Leu	Tyr	Tyr	Thr	Thr	Met	Gln
		35				40						45			
Thr	Leu	Thr	Lys	Gln	Asp	Thr	Met	Leu	Lys	Ala	Met	Phe	Ser	Gly	Arg
	50					55					60				
Xaa	Xaa	Val													
65															

<210> 6372
 <211> 276
 <212> PRT
 <213> Homo sapiens

Met	Ser	Asp	Ser	Xaa	Glu	Gln	Asn	Tyr	Gly	Glu	Arg	Glu	Ser	Arg	Ser
1			5						10				15		
Ala	Ser	Arg	Ser	Gly	Ser	Ala	His	Gly	Ser	Gly	Lys	Ser	Ala	Arg	His
			20					25				30			
Thr	Pro	Ala	Arg	Ser	Arg	Ser	Lys	Glu	Asp	Ser	Arg	Arg	Ser	Arg	Ser
		35					40					45			
Lys	Ser	Arg	Ser	Arg	Ser	Glu	Ser	Arg	Ser	Arg	Ser	Arg	Arg	Ser	Ser
	50					55				60					
Arg	Ser	Ile	Ile	Pro	Gly	His	Gly	Leu	Ala	Pro	Ala	Pro	Ile	Xaa	Asp
65					70					75					80
His	Val	Ala	Gly	Leu	Thr	Val	Glu	Ile	Ile	Val	Asp				
			85					90							

<210> 6373
 <211> 408
 <212> PRT
 <213> Homo sapiens

<400> 6373

Met Xaa Pro Tyr Thr Val Asn Phe Lys Val Ser Ala Arg Thr Leu Thr
1 5 10 15
Gly Ala Leu Asn Ala His Asn Lys Ala Val Asp Trp Gly Trp Gln
20 25 30
Gly Leu Ile Ala Tyr Gly Cys His Ser Leu Val Val Ile Asp Ser
35 40 45
Ile Thr Ala Gln Thr Leu Gln Val Leu Glu Lys His Lys Ala Asp Val
50 55 60
Val Lys Val Lys Trp Ala Arg Glu Asn Tyr His His Asn Ile Gly Ser
65 70 75 80
Pro Tyr Cys Leu Arg Leu Ala Ser Ala Asp Val Asn Gly Lys Ile Ile
85 90 95
Val Trp Asp Val Ala Ala Gly Val Ala Gln Cys Glu Ile Gln Glu His
100 105 110
Ala Lys Pro Ile Gln Asp Val Gln Trp Leu Trp Asn Gln Asp Ala Ser
115 120 125
Arg Asp Leu Leu Leu Ala Ile His
130 135

<210> 6374
<211> 399
<212> PRT
<213> Homo sapiens

<400> 6374
Met Asn Ala Gly Ser Asp Pro Val Val Ile Val Ser Ala Ala Arg Thr
1 5 10 15
Ile Ile Gly Ser Phe Asn Gly Ala Leu Ala Val Pro Val Gln Asp
20 25 30
Leu Gly Ser Thr Val Ile Lys Glu Val Leu Lys Arg Ala Thr Val Ala
35 40 45
Pro Glu Asp Val Ser Glu Val Ile Phe Gly His Val Leu Ala Ala Gly
50 55 60
Cys Gly Gln Asn Pro Val Arg Gln Ala Ser Val Gly Ala Gly Ile Pro
65 70 75 80
Tyr Ser Val Pro Ala Trp Ser Cys Gln Met Ile Cys Gly Ser Gly Leu
85 90 95
Lys Ala Val Cys Leu Ala Val Gln Ser Ile Gly Ile Gly Asp Ser Ser
100 105 110
Ile Val Val Ala Gly Gly Met Glu Asn Met Ser Lys Ala Pro His Leu
115 120 125
Ala Tyr Leu Arg Thr
130

<210> 6375
<211> 255
<212> PRT
<213> Homo sapiens

<400> 6375
Met Pro Pro Val Gly Gly Lys Lys Ala Lys Lys Gly Ile Leu Glu Arg
1 5 10 15
Leu Asn Ala Gly Glu Ile Val Ile Gly Asp Gly Gly Phe Val Phe Ala
20 25 30

Leu Glu Lys Arg Gly Tyr Val Lys Ala Gly Pro Trp Thr Pro Glu Ala
 35 40 45
 Ala Val Glu His Pro Glu Ala Val Arg Gln Leu His Arg Glu Phe Leu
 50 55 60
 Arg Ala Gly Ser Asn Val Met Gln Thr Phe Thr Phe Tyr Ala Ser Glu
 65 70 75 80
 Asp Lys Leu Glu Asn
 85

<210> 6376
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 6376
 Met Ala Thr Glu Leu Glu Tyr Glu Ser Val Leu Cys Val Lys Pro Asp
 1 5 10 15
 Val Ser Val Tyr Arg Ile Pro Pro Arg Ala Ser Asn Arg Gly Tyr Arg
 20 25 30
 Ala Ser Asp Trp Lys Leu Asp Gln Pro Asp Trp Thr Gly Arg Leu Arg
 35 40 45
 Ile Thr Ser Lys Gly Lys Thr Ala Tyr Ile Lys Leu Glu Asp Lys Val
 50 55 60
 Ser Gly Glu Leu Phe Ala Gln Ala Pro Val Xaa Gln Tyr Pro Gly Ile
 65 70 75 80
 Ala Val Glu Thr Val Thr Asp Ser Ser Arg Tyr Phe Val Ile Arg Ile
 85 90 95
 Gln Asp Gly Thr
 100

<210> 6377
 <211> 417
 <212> PRT
 <213> Homo sapiens

<400> 6377
 Met Ala Ala Pro Arg Val Phe Pro Leu Ser Cys Ala Val Gln Gln Tyr
 1 5 10 15
 Ala Trp Gly Lys Met Gly Ser Asn Ser Glu Val Ala Arg Leu Leu Ala
 20 25 30
 Ser Ser Asp Pro Leu Ala Gln Ile Ala Glu Asp Lys Pro Tyr Ala Glu
 35 40 45
 Leu Trp Met Gly Thr His Pro Arg Gly Asp Ala Lys Ile Leu Asp Asn
 50 55 60
 Arg Ile Ser Gln Lys Thr Leu Ser Gln Trp Ile Ala Glu Asn Gln Asp
 65 70 75 80
 Ser Leu Gly Ser Lys Val Lys Asp Thr Phe Asn Gly Asn Leu Pro Phe
 85 90 95
 Leu Phe Lys Val Leu Ser Val Glu Thr Pro Leu Ser Ile Gln His Pro
 100 105 110
 Pro Asp Gly Thr Gly Asp Ser Asp Ser Gln His Thr His Asn Pro Asp
 115 120 125
 Thr Asn Pro Ser Ala Thr Trp Trp Arg Ala Leu
 130 135

<210> 6378
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 6378
 Met Thr Xaa Arg Gln Ala Thr Lys Asp Pro Leu Leu Arg Gly Val Ser
 1 5 10 15
 Pro Xaa Pro Ser Lys Ile Pro Val Arg Ser Gln Lys Arg Thr Pro Phe
 20 25 30
 Pro Thr Val Thr Ser Cys Ala Val Asp Gln Glu Asn Gln Asp Pro Arg
 35 40 45
 Arg Trp Val Gln Lys
 50

<210> 6379
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 6379
 Met Ala Val Pro Gly Cys Asn Lys Asp Ser Val Arg Ala Gly Cys Lys
 1 5 10 15
 Lys Cys Gly Tyr Pro Gly His Leu Thr Phe Glu Cys Arg Asn Phe Leu
 20 25 30
 Arg Val Asp Pro Lys Arg Asp Ile Val Leu Asp Val Ser Ser Thr Ser
 35 40 45
 Ser Glu Asp Ser Asp Glu Glu Asn Glu Glu Leu Asn Lys Leu Gln Ala
 50 55 60
 Leu Gln Glu Lys Arg Ile Asn Glu
 65 70

<210> 6380
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 6380
 Met Ala Phe Ser Gly Arg Ala Arg Pro Cys Ile Ile Pro Glu Asn Glu
 1 5 10 15
 Glu Ile Pro Arg Ala Ala Leu Asn Thr Val His Glu Ala Asn Gly Thr
 20 25 30
 Glu Asp Glu Arg Ala Val Ser Lys Leu Gln Arg Xaa His Ser Asp Val
 35 40 45
 Lys Val Tyr Lys Glu Phe Cys Asp Phe Tyr Ala Lys Phe Asn Met Ala
 50 55 60
 Asn Ala Leu Ala Ser Ala Thr Cys Glu Arg Cys Lys Gly Gly Phe Ala
 65 70 75 80
 Pro Ala

<210> 6381
 <211> 357
 <212> PRT

<213> Homo sapiens

<400> 6381

Met Ala Leu Leu Ala Glu His Leu Leu Lys Pro Leu Pro Ala Asp Lys
1 5 10 15
Gln Ile Glu Thr Gly Pro Phe Leu Glu Ala Val Ser His Leu Pro Pro
20 25 30
Phe Phe Asp Cys Leu Gly Ser Pro Val Phe Thr Pro Ile Lys Ala Asp
35 40 45
Ile Ser Gly Asn Ile Thr Lys Ile Xaa Ala Val Tyr Asp Thr Asn Pro
50 55 60
Ala Lys Phe Arg Thr Leu Gln Asn Ile Leu Glu Val Glu Lys Glu Met
65 70 75 80
Tyr Gly Ala Glu Trp Pro Lys Val Gly Ala Thr Leu Ala Leu Met Trp
85 90 95
Leu Lys Arg Gly Leu Arg Phe Ile Gln Val Phe Leu Gln Ser Ile Cys
100 105 110
Asp Gly Glu Arg Asp Glu Asn
115

<210> 6382

<211> 225

<212> PRT

<213> Homo sapiens

<400> 6382

Met Leu Thr Pro Ala Phe Asp Leu Ser Gln Asp Pro Asp Phe Leu Thr
1 5 10 15
Ile Ala Ile Arg Val Pro Tyr Ala Arg Val Ser Glu Phe Asp Val Tyr
20 25 30
Phe Glu Gly Ser Asp Phe Lys Phe Tyr Ala Lys Pro Tyr Phe Leu Arg
35 40 45
Leu Thr Leu Pro Gly Arg Ile Val Glu Asn Gly Ser Glu Gln Gly Ser
50 55 60
Tyr Asp Ala Asp Lys Gly Ile Phe Thr Ile Arg
65 70 75

<210> 6383

<211> 273

<212> PRT

<213> Homo sapiens

<400> 6383

Met Ser Lys Pro His Ser Glu Ala Gly Thr Ala Phe Ile Gln Thr Gln
1 5 10 15
Gln Leu His Ala Ala Met Ala Asp Thr Phe Leu Glu His Met Cys Arg
20 25 30
Leu Asp Ile Asp Ser Pro Pro Ile Thr Ala Arg Asn Thr Gly Ile Ile
35 40 45
Cys Thr Ile Gly Pro Ala Ser Arg Ser Val Glu Thr Leu Lys Glu Met
50 55 60
Ile Lys Ser Gly Met Asn Val Ala Arg Leu Asn Phe Ser His Gly Thr
65 70 75 80
His Glu Tyr His Ala Glu Thr Ile Lys Asn Val

85

90

<210> 6384

<211> 300

<212> PRT

<213> Homo sapiens

<400> 6384

Met Leu Ser Pro Glu Ala Glu Arg Val Leu Arg Tyr Leu Val Glu Val
 1 5 10 15
 Glu Glu Leu Ala Glu Glu Val Leu Ala Asp Lys Arg Gln Ile Val Asp
 20 25 30
 Leu Asp Thr Lys Arg Asn Gln Asn Arg Glu Gly Leu Arg Ala Leu Gln
 35 40 45
 Lys Asp Leu Ser Leu Ser Glu Asp Val Met Val Cys Phe Gly Asn Met
 50 55 60
 Phe Ile Lys Met Pro His Pro Glu Thr Lys Glu Met Ile Glu Lys Asp
 65 70 75 80
 Gln Asp His Leu Asp Lys Glu Ile Glu Lys Leu Arg Lys Gln Leu Lys
 85 90 95
 Val Lys Val Asn
 100

<210> 6385

<211> 201

<212> PRT

<213> Homo sapiens

<400> 6385

Met Gln Lys Lys Leu Arg Ser Asn Trp Lys Ile Gln Ser Leu Lys Asp
 1 5 10 15
 Glu Ile Thr Ser Glu Lys Leu Asn Gly Val Lys Leu Trp Ile Thr Ala
 20 25 30
 Gly Pro Arg Glu Lys Phe Thr Ala Ala Glu Phe Glu Ile Leu Lys Lys
 35 40 45
 Tyr Leu Asp Thr Gly Gly Asp Val Phe Val Met Leu Gly Glu Gly Gly
 50 55 60
 Glu Ser Arg
 65

<210> 6386

<211> 186

<212> PRT

<213> Homo sapiens

<400> 6386

Met Ser Ala Leu Thr Arg Leu Ala Ser Phe Ala Arg Val Gly Gly Arg
 1 5 10 15
 Leu Phe Arg Ser Gly Cys Ala Arg Thr Ala Gly Asp Gly Gly Val Arg
 20 25 30
 His Ala Gly Gly Gly Val His Ile Glu Pro Arg Tyr Arg Gln Phe Pro
 35 40 45
 Gln Leu Thr Arg Ser Gln Val Phe Gln Ser Glu Phe Phe Ser
 50 55 60

004220" 65667550

<210> 6387
 <211> 684
 <212> PRT
 <213> Homo sapiens

<400> 6387

Met Gln Ser Gly Ser Ser Met Ser Thr Ile Gly Ser Met Met Ser Ile
 1 5 10 15
 Tyr Ser Glu Ala Gly Asp Phe Gly Asn Ile Phe Val Thr Gly Arg Ile
 20 25 30
 Ala Phe Ser Leu Lys Tyr Glu Gln Thr Gln Ser Leu Val Val His
 35 40 45
 Val Lys Glu Cys His Gln Leu Ala Tyr Ala Asp Glu Ala Lys Lys Arg
 50 55 60
 Ser Asn Pro Tyr Val Lys Thr Tyr Leu Leu Pro Asp Lys Ser Arg Gln
 65 70 75 80
 Gly Lys Arg Lys Thr Ser Ile Lys Arg Asp Thr Val Asn Pro Leu Tyr
 85 90 95
 Asp Glu Thr Leu Arg Tyr Glu Ile Pro Glu Ser Leu Leu Ala Gln Arg
 100 105 110
 Thr Leu Gln Phe Ser Val Trp His His Gly Arg Phe Gly Arg Asn Thr
 115 120 125
 Phe Leu Gly Glu Ala Glu Ile Gln Met Asp Ser Trp Lys Leu Asp Lys
 130 135 140
 Lys Leu Asp His Cys Leu Pro Leu His Gly Lys Ile Ser Ala Glu Ser
 145 150 155 160
 Pro Thr Gly Leu Pro Ser His Lys Gly Glu Leu Val Val Xaa Leu Lys
 165 170 175
 Tyr Ile Pro Ala Ser Lys Thr Pro Val Gly Gly Asp Arg Lys Lys Ser
 180 185 190
 Lys Gly Gly Glu Gly Gly Glu Leu Gln Val Trp Ile Lys Glu Ala Lys
 195 200 205
 Asn Leu Thr Ala Ala Lys Ala Gly Gly Thr Ser Asp Ser Phe Val Lys
 210 215 220
 Gly Tyr Ser Phe
 225

<210> 6388
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 6388

Met Ala Ala Leu Thr Leu Arg Gly Val Arg Glu Leu Leu Lys Arg Val
 1 5 10 15
 Asp Phe Ala Thr Val Pro Arg Arg His Arg Tyr Lys Lys Lys Trp Ala
 20 25 30
 Ala Thr Glu Pro Lys Phe Pro Ala Val Arg Leu Ala Leu Gln Asn Phe
 35 40 45
 Asp Met Thr Tyr Ser Val Gln Phe Gly Asp Leu Trp Pro Ser Ile Arg
 50 55 60
 Val Ser Leu Leu Ser Glu Gln Lys Tyr Gly Ala Leu Val Asn Asn Phe
 65 70 75 80

Ala Ala Trp Asp His Val Ser Ala Lys Leu Glu Gln Leu Ser Ala Lys
85 90 95
Asp Phe Val Asn Glu Ala Ile Ser His Trp Glu Leu Gln Ser Glu Gly
100 105 110
Gly Gln Ser Ala Thr
115

<210> 6389
<211> 165
<212> PRT
<213> Homo sapiens

<400> 6389
Met Pro Val Ala Val Gly Pro Tyr Gly Gln Ser Gln Pro Ser Cys Phe
1 5 10 15
Asp Arg Val Lys Met Gly Phe Val Xaa Xaa Leu Arg Arg Gly His Gly
20 25 30
Gly Arg Gly Ala Leu Arg His Leu Phe Leu Ser Gln Asp Arg Asn Ala
35 40 45
Gly Ser Arg Ala Asp Gly Arg
50 55

<210> 6390
<211> 192
<212> PRT
<213> Homo sapiens

<400> 6390
Met Glu Leu Tyr Xaa Ile Gly Gly Gly Gln Asp Val Arg Leu Tyr Pro
1 5 10 15
Glu Val Pro Glu Val Leu Lys Arg Leu Gln Ser Leu Gly Val Pro Gly
20 25 30
Ala Ala Ala Ser Arg Thr Ser Glu Ile Glu Xaa Ala Asn Gln Leu Leu
35 40 45
Glu Leu Phe Asp Leu Phe Arg Tyr Phe Val His Arg Glu Ile Tyr Pro
50 55 60

<210> 6391
<211> 321
<212> PRT
<213> Homo sapiens

<400> 6391
Met Ala Glu Glu Leu Val Leu Glu Arg Cys Asp Leu Glu Leu Glu Thr
1 5 10 15
Asn Gly Arg Asp His His Thr Ala Asp Leu Cys Arg Glu Lys Leu Val
20 25 30
Val Arg Arg Gly Gln Pro Phe Trp Leu Thr Leu His Phe Glu Gly Arg
35 40 45
Asn Tyr Glu Ala Ser Val Asp Ser Leu Thr Phe Ser Val Val Thr Gly
50 55 60
Pro Ala Pro Ser Gln Glu Ala Gly Thr Lys Ala Arg Phe Pro Leu Arg
65 70 75 80
Asp Ala Val Glu Glu Gly Asp Trp Thr Ala Thr Val Val Asp Gln Gln

85 90 95
 Asp Cys Thr Leu Ser Leu Gln Leu Thr Thr Pro
 100 105

<210> 6392
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 6392
 Met Gly Ala Pro Thr Leu Pro Pro Ala Trp Gln Pro Phe Leu Lys Asp
 1 5 10 15
 His Arg Ile Ser Thr Phe Lys Asn Trp Pro Phe Leu Glu Gly Cys Ala
 20 25 30
 Cys Thr Pro Glu Arg Met Ala Glu Ala Gly Phe Ile His Cys Pro Thr
 35 40 45
 Glu Asn Glu Pro Asp Leu Ala Gln Cys Phe Phe Cys Phe Lys Glu Leu
 50 55 60
 Glu Gly Trp Glu Pro Asp Asp Asp Pro Ile Glu Glu Xaa Lys Lys His
 65 70 75 80
 Ser Ser Gly Cys Ala Phe Leu Ser Val Lys Lys Gln Phe Glu Glu Leu
 85 90 95
 Thr Leu Gly Glu Phe Leu Lys Leu Asp Arg Glu Arg Ala Lys Asn Lys
 100 105 110
 Ile Ala Lys Glu
 115

<210> 6393
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 6393
 Met Glu Asp Leu Asp Ala Leu Leu Ser Asp Leu Glu Thr Thr Thr Ser
 1 5 10 15
 His Met Pro Arg Ser Gly Ala Pro Lys Glu Arg Pro Ala Glu Pro Leu
 20 25 30
 Thr Pro Pro Pro Ser Tyr Gly His Gln Pro Gln Thr Gly Ser Gly Glu
 35 40 45
 Ser Ser Gly Ala Ser Gly Asp Lys Asp His Leu Tyr Ser Thr Val Cys
 50 55 60
 Lys Xaa Arg Ser Pro Lys Pro Xaa Ala Pro Ala Ala Pro
 65 70 75

<210> 6394
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 6394
 Met Ser Glu Gly Val Asp Leu Ile Asp Ile Tyr Ala Asp Glu Glu Phe
 1 5 10 15
 Asn Gln Asp Pro Glu Phe Asn Asn Thr Asp Gln Ile Asp Leu Tyr Asp
 20 25 30

<212> PRT
<213> Homo sapiens

<400> 6398

Met Xaa Ala Ala Gly Ala Ala Leu Val Phe Val Phe Ser Ser Gly Gln
1 5 10 15
Arg Arg Ile Leu Asp Gly Ser Leu Gly Phe Ala Ala Gly Val Met Xaa
20 25 30
Ala Ala Ser Tyr Trp Ser Leu Leu Ala Pro Ser Ser Xaa Glu Trp Pro
35 40 45
Arg Pro Leu Gly Ala Ser Val Pro Xaa Pro Ser Ser Leu Trp Leu Val
50 55 60
Gly Phe Thr Leu Gly Ala Ala Phe Val Tyr Leu Ala Asp Leu Leu Met
65 70 75 80
Pro Xaa Xaa Gly Cys Ser
85

<210> 6399
<211> 309
<212> PRT
<213> Homo sapiens

<400> 6399

Met Ser His Arg Thr Ser Ser Thr Phe Arg Ala Glu Arg Ser Phe His
1 5 10 15
Ser Ser Ser Ser Ser Ser Ser Ser Ser Thr Ser Ser Ser Ala Ser Arg
20 25 30
Ala Leu Pro Ala Gln Asp Pro Pro Met Glu Lys Ala Leu Ser Met Phe
35 40 45
Ser Asp Asp Phe Gly Ser Phe Met Arg Pro His Ser Glu Pro Leu Ala
50 55 60
Phe Pro Ala Arg Pro Gly Gly Ala Gly Asn Ile Lys Thr Leu Gly Asp
65 70 75 80
Ala Tyr Glu Phe Ala Val Asp Val Arg Asp Phe Ser Pro Glu Asp Ile
85 90 95
Ile Val Thr Thr Ser Asn Asn
100

<210> 6400
<211> 177
<212> PRT
<213> Homo sapiens

<400> 6400

Met Ile Ser Arg Arg Xaa Gly Gly Gly Arg Glu Arg Val Glu Asp Leu
1 5 10 15
Phe Glu Tyr Glu Gly Cys Lys Val Gly Arg Gly Thr Tyr Gly His Val
20 25 30
Tyr Lys Ala Arg Arg Lys Asp Gly Phe Gln Glu Gly Phe Val Tyr Gly
35 40 45
Pro Gln Ala Leu Glu Val Ala Asp Phe Ser Ala
50 55

<210> 6401

<211> 156
 <212> PRT
 <213> Homo sapiens

<400> 6401
 Met Arg Ser Arg Leu Arg Arg Gly Gly Arg Asp Gly Leu Asp Thr Arg
 1 5 10 15
 Met Thr Gly Ala Pro Xaa Arg Thr Ser Arg His Ser Gln Glu Pro Phe
 20 25 30
 Gln Thr Leu Arg Arg Arg Asp Trp Ser Gln Lys His Leu Lys Asn Leu
 35 40 45
 Pro Val Ser Phe
 50

<210> 6402
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 6402
 Met Cys Arg Thr Pro Tyr Ile Ser Ser Ser Glu Ser Arg Asp Ser Ala
 1 5 10 15
 Leu Pro Pro Ser Leu Pro Leu Cys Pro Leu Pro Val Pro Pro Leu Gly
 20 25 30
 Ala Gly Arg Arg Glu Gly Gly Glu Val Arg Gly Leu Ser Glu Gly Pro
 35 40 45
 His Leu Leu Thr Gln
 50

<210> 6403
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 6403
 Met Met Arg Arg Thr Leu Glu Asn Arg Asn Ala Gln Thr Lys Gln Leu
 1 5 10 15
 Gln Thr Ala Val Ser Asn Val Glu Lys His Phe Gly Glu Leu Cys Gln
 20 25 30
 Ile Phe Ala Xaa Tyr Val Arg Lys Thr Ala Arg Leu Arg Asp Lys Ala
 35 40 45
 Asp Leu Leu Val Asn Glu Ile Asn Ala Tyr Ala Ala Thr Glu Thr Pro
 50 55 60
 His Leu Lys Leu Gly Leu Met Asn Phe Ala Asp Glu Phe Ala Lys Leu
 65 70 75 80
 Gln Asp Tyr Arg Gln Ala Glu Val Glu Arg Leu Glu Ala Lys Val Val
 85 90 95
 Glu Pro Leu Lys Thr Tyr Gly Thr Ile Val Lys Met Lys Arg Asp Asp
 100 105 110
 Leu Lys Ala Thr Leu Thr Ala Arg Asn Arg Glu Ala Lys Gln Leu
 115 120 125

<210> 6404
 <211> 180

004220" 051550" 024400

<212> PRT
<213> Homo sapiens

<400> 6404

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Met Thr Pro Val Arg Met Gln His Ser Leu Ala Gly Gln Thr Tyr Ala
1           5           10           15
Val Pro Leu Ile Gln Pro Asp Leu Arg Arg Glu Glu Ala Val Gln Gln
          20           25           30
Met Ala Asp Ala Leu Gln Tyr Leu Gln Lys Val Ser Gly Asp Ile Phe
          35           40           45
Ser Arg Ile Ser Gln Arg Val Glu Gln Ser Arg Ser
          50           55           60

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<210> 6405

<211> 174

<212> PRT

<213> Homo sapiens

<400> 6405

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Met Cys Thr Asp Arg Trp Pro Glu Arg Tyr Thr Ala Val Ile Glu Val
1           5           10           15
Thr Ser Gly Gly Pro Trp Gly Asp Trp Ala Trp Pro Glu Met Cys Pro
          20           25           30
Asp Gly Phe Phe Ala Ser Gly Phe Ser Leu Lys Val Glu Pro Pro Gln
          35           40           45
Gly Ile Pro Gly Asp Asp Thr Ala Leu Asn
          50           55

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<210> 6406

<211> 450

<212> PRT

<213> Homo sapiens

<400> 6406

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Met Ser Asp Pro Asp Ser Ser Ile Ile Asp Phe Tyr Pro Glu Asp Phe
1           5           10           15
Ala Ile Asp Leu Asn Gly Xaa Lys Tyr Ala Trp Gln Gly Val Ala Leu
          20           25           30
Leu Pro Phe Val Asp Glu Arg Arg Xaa Arg Ala Ala Leu Glu Glu Val
          35           40           45
Tyr Pro Asp Leu Thr Pro Glu Glu Thr Arg Xaa Xaa Ser Leu Gly Gly
          50           55           60
Asp Val Leu Phe Val Gly Lys His His Pro Leu His Asp Phe Ile Leu
          65           70           75           80
Glu Leu Tyr Gln Thr Gly Ser Thr Glu Pro Val Glu Val Pro Pro Glu
          85           90           95
Leu Cys His Gly Ile Gln Gly Lys Phe Ser Leu Asp Glu Glu Ala Ile
          100          105          110
Leu Pro Asp Gln Ile Val Cys Ser Pro Val Pro Met Leu Arg Xaa Leu
          115          120          125
Thr Gln Asn Thr Val Val Ser Ile Asn Phe Lys Asp Pro Gln Phe Ala
          130          135          140
Glu Asp Tyr Ile Phe Lys
          145          150

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<210> 6407
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 6407
 Met Met Phe Gly Gly Tyr Glu Thr Ile Glu Ala Tyr Glu Asp Asp Leu
 1 5 10 15
 Tyr Arg Asp Glu Ser Ser Ser Glu Leu Ser Val Asp Ser Glu Val Glu
 20 25 30
 Phe Gln Leu Tyr Ser Gln Ile His Tyr Ala Gln Asp Leu Asp Asp Val
 35 40 45
 Ile Arg Glu Glu Glu His Glu Glu Lys Asn Ser Gly Asn Ser Glu Ser
 50 55 60
 Ser Ser Xaa Lys Pro Xaa Gln Lys Lys Leu Ile Val Leu Ser Asp Ser
 65 70 75 80
 Glu Val Ile Gln Leu Ser Asp Gly Ser Glu Val Ile Thr Xaa Ser Asp
 85 90 95
 Glu Asp Ser Ile Tyr Arg Cys Lys Gly Lys Asn Val Arg Val Gln Ala
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 Gln Glu Asn Ala His Gly Leu Ser
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<210> 6408
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 <212> PRT
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<400> 6408
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 Arg Asp Glu Glu Lys Gly Glu Gly Thr Pro Arg Glu Glu Gly Lys Ala
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 Gly Val Gln Ser Val Gly Glu Lys Glu Ser Leu Glu Ala Ala Lys
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<210> 6409
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 1 5 10 15
 Phe Glu Trp Arg Pro Ala Gly Gly Asp Pro Asn Arg Arg Ala Gly Arg
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 Arg Pro Phe Ser Arg Glu Gly Pro Ile Trp Arg Lys Ser Ser Arg Leu
 35 40 45
 Val Lys Leu Gly Gly Arg Xaa Thr Gly Leu Thr Ala Thr Met Thr Lys
 50 55 60
 Tyr Asn Thr Pro Ser

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